

SEISMICITY OF SOUTHERN CALIFORNIA

Earthquakes of ML 3.0 and Greater 1975 through 1983

L. K. HUTTON
C. R. ALLEN
C. E. JOHNSON

**SEISMOLOGICAL LABORATORY
CALIFORNIA INSTITUTE OF TECHNOLOGY**

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L. K. Hutton, C. R. Allen
Seismological Laboratory
California Institute of Technology

C. E. Johnson
U. S. Geological Survey
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The time period since the last published California Institute of Technology (CIT) earthquake catalog (Hileman 1974; Friedman 1976) has seen many changes in data analysis and reporting procedures at the Seismological Laboratory. CIT merged its operation with the U.S. Geological Survey (USGS) during this period. Digital recording (Johnson 1979) was introduced in 1977 and computer systems improved several times since. The seismic network itself expanded from 125 stations in 1975 to more than 200 in early 1983 (Figure 1). The result is an agglomeration of data that may take a superhuman effort to sort through.

Much use can be made, however, of a timely earthquake catalog which is restricted to the larger earthquakes. We therefore present as complete and reliable a list of events of ML 3.0 and greater as possible, comprising 3,650 individual earthquakes.

The primary source for selection of events for this catalog is the set of readings made on visibly recorded short-period vertical (SPZ) seismometers throughout southern California. This source is believed to be complete at the ML 3.0 level within the CIT-USGS area of coverage (box in Figures 2 - 12), except during large aftershock sequences such as October 1979, when the list was supplemented from Develocorder and on-line triggered computer data. For each event, the best hypocentral location available was inserted using P and S time readings from the following sources in decreasing priority: 1) digital data read on a CRT screen, 2) Develocorder data, 3) digital data read from a hardcopy output, 4) data from Helicorder drums. Additional phase information was

obtained from the U.S. Geological Survey in Menlo Park and from U.C. Berkeley.

The hypocentral location program used is a generalized inverse routine described by Johnson (1979). The location qualities are as follows:

A	ERH less than 1.0 km, ERZ less than 2.0 km
B	" 2.0 " 5.0
C	" 5.0 km, no ERZ limitation
D	ERH greater than 5.0 km

where ERH is the standard error in the horizontal dimensions, and ERZ is the standard error in depth. In some cases, the location of an aftershock was assumed to be the same as the main shock; these events are indicated by a "*" following the quality.

The practice for the general southern California catalog is to locate all events with the same velocity model, appropriate for the eastern Mojave desert area (Hadley 1978). Station delays were used for stations installed on thick sediments, with the values chosen on the basis of site geology. Because this velocity model and station delay combination may not be appropriate for some areas of California, hypocentral depths for those areas should be viewed with extra caution.

Events somewhat outside of the CIT reporting box have also been included in order to put the seismicity within the box in better context. However, the hypocenters are considered to be less reliable, and the completeness level is probably higher than ML 3.0.

Every effort has been made to exclude explosions from the catalog.

For most events, the Wood-Anderson torsion instruments (7 stations, see Table 1) and simulated Wood-Anderson instruments (2 stations) were used for magnitude determinations. The distance function as given in Richter (1958) was used, with the station corrections shown in Table 1. Individual component magnitudes were computed for each instrument, and the earthquake magnitude chosen as the median of the component magnitudes. It is recognized that Richter's distance function may not be appropriate beyond about 300 km, in the sense that station magnitudes from that distance range seem to be too high, and also that systematic deviations due to azimuth and crustal structure may exist. The magnitudes were done in the "traditional" fashion, in spite of these problems, in order to be compatible with earlier CIT catalogs.

The Wood-Anderson torsion instruments were largely "off-scale" for the largest events (ML above 6.0). The magnitudes for these larger events were therefore based on fewer readings than for most events, and readings on systematically more distant stations. The data available on these large earthquakes are summarized in Table 2. Readings are also included for torsion instruments with a gain of "100", operating at 4 of the stations. The gain of these instruments is somewhat uncertain, so an empirical station correction was used. This correction was determined from events which were recorded "on scale" on both the standard Wood-Anderson and the "100X" torsion.

For the smaller events, amplitudes from the visibly-recorded short-period vertical instruments were used as well. The same distance function was used, and an empirical station correction based on analysis

of events with sufficient Wood-Anderson readings was applied. The short-period vertical instruments do not have the Wood-Anderson response and are less stable in calibration, so these magnitudes are considered less reliable, to an unknown degree. Systematic differences from the true ML's cannot be excluded. Magnitudes for which SPZ instruments were used are marked with a "*" in the catalog. A few magnitudes during the large aftershock sequences were estimated based on coda length or visual comparison with other events in the same area on uncalibrated records; these magnitudes are also tagged with the "*".

"Felt" reports are included in the catalog whenever that information is available. These reports represent inquiries from the public; CIT does not specifically solicit macroseismic information.

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Numerous people have made their mark on this data. Clarence Allen, Gary Fuis, Kate Hutton, Carl Johnson, and Jim Whitcomb organized and managed either all or part of the network operation for all or part of the time period covered. The primary analysts were: Lee Anderson, Anne

Blanchard, Sang Choi, Jane Cooper, Jeff Cronk, Shirley Fisher, Doug Ford, Wolfgang Franzen, Martin Friedman, Riley Geary, Lind Gee, Peter German, Doug Given, Susan Green, Gary Gutierrez, Jennifer Haas, Claire Harkrider, Donna Jenkins, Lucy Jones, Vic Lamanuzzi, Carl Loeffler, Barbara Reed, Karen Richter, Joan Rudnicki, Vi Taylor, Marla Turner, and Kathy Watts. Shirley Marks, Rick Lester, and Rob Cockerham (at the U.S. Geological Survey, Menlo Park), Roy Miller (at U.C. Berkeley) and Bob Pizzi (at C.S.U. San Luis Obispo) contributed phase data.

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Table 1. Station Corrections for Magnitude.

Station	Correction		SPZ
	Torsion	100X	
BAR			-1.4
CIS			-1.4
CLC			-1.3
CPE			-1.1
CPT			-0.9
CWC	0.0	1.1	-1.2
GLA			-1.7
GSC			-1.5
HAY			-0.8
IKP			-1.0
ISA	0.2		-1.4
MWC			-1.2
PAS	0.1	1.1	-0.8
PLM	0.0		-1.3
RVR	0.1	1.4	-1.0
SBC	-0.1	0.9	-1.0
SCI			-0.9
SYP			-1.2
TIN	-0.2		-1.3
TPC			-1.1

Table 2. Individual Station Magnitudes.

Stat.	Dis.	WOOD/ANDERSON READINGS				100X READINGS			
		North/South		East/West		North/South		East/West	
		Ampl. ML		Ampl. ML		Ampl. ML		Ampl. ML	
1978 8/13 22:54 Santa Barbara									
PAS	143.0	43.8	4.97	61.2	5.12	2.6	4.84	4.0	5.03
BAR	337.1	9.0	5.15						
CWC	275.1	15.8	5.10	14.1	5.05	1.1	5.04	1.5	5.17
ISA	184.2	24.8	5.04	21.8	4.98				
PLM	285.3	21.3	5.28	16.3	5.17				
RVR	218.4	16.5	4.96	20.8	5.21			0.8	5.04
Median					5.10	5.05			
1978 10/4 16:42 Bishop									
PAS	375.8	41.6	6.08	20.4	5.77				
BAR	566.5	5.6	5.65						
CWC	130.8	93.1	5.17	88.2	5.15	4.9	4.99	4.6	4.96
ISA	205.8			95.6	5.74				
PLM	490.1	13.3	5.82	17.4	5.94				
RVR	407.9	7.6	5.48	11.8	5.67				
SBC	352.6	46.8	5.87	52.2	5.92	3.6	5.66		
Median					5.76	5.67			
1978 10/4 17:39 Bishop									
PAS	378.5	9.6	5.47	11.6	5.55				
BAR	568.9	1.5	5.07						
CWC	133.0	38.6	4.79	42.3	4.83	3.1	4.79	2.6	4.71
ISA	208.6			80.4	5.69				
PLM	492.5	4.4	5.34	6.1	5.48				
RVR	410.3	1.7	4.83	4.2	5.22				
SBC	355.6	25.3	5.60	25.8	5.61	2.2	5.84	1.8	5.75
TIN	66.8	156.0	4.79	137.2	4.74				
Median					5.28	5.28			
1979 1/1 23:14 Malibu									
PAS	51.9	100.0	4.74	74.5	4.61	12.0	4.92	8.0	4.74
BAR	234.0	57.5	5.46						
CWC	281.6	3.8	4.49	4.5	4.57				
ISA	191.1	3.0	4.18	9.1	4.66				
PLM	181.1	68.0	5.24	74.0	5.28				
RVR	120.6	113.2	5.26	109.2	5.24			4.4	5.25
SBC	109.8					5.4	4.63	6.7	4.72
TIN	347.0	22.0	5.41	15.5	5.26				
Median					5.24	4.83			

Stat.	Dis.	WOOD/ANDERSON READINGS				100X READINGS			
		North/South		East/West		North/South		East/West	
		Ampl. ML		Ampl. ML		Ampl. ML		Ampl. ML	
1979 3/15 21:07 Homestead Valley									
PAS	160.4			65.8	5.22				
BAR	183.6	57.5	5.17						
CWC	277.6	12.6	5.00	16.3	5.11	4.8	5.68	4.1	5.71
ISA	237.5	17.3	5.14	26.5	5.32				
PLM	114.4	205.6	5.41	165.0	5.32				
RVR	93.4	103.8	5.12						
SBC	301.0	72.0	5.77			11.4	5.87	3.2	5.31
TIN	343.3	64.3	5.86	61.5	5.84				
Median					5.27				5.32
1979 10/15 23:16 Imperial Valley									
PAS	313.6					14.7	6.47	8.6	6.23
CWC	452.4	84.0	6.62	126.0	6.80	5.1	6.51	3.2	6.30
ISA	405.1	30.5	6.28	40.0	6.40				
RVR	243.3					7.4	6.10	7.6	6.11
SBC	454.2					13.5	6.53	4.8	6.08
Median					6.51				6.35
1979 10/15 23:19 Imperial Valley									
PAS	286.2					1.2	5.24	0.7	5.00
RVR	216.3					1.0	5.13	1.5	5.30
SBC	426.6					0.5	5.06		
Median									5.13
1979 10/16 05:49 Imperial Valley									
PAS	278.8	14.5	5.16	11.2	5.05	1.1	5.14	0.9	5.05
CWC	452.4	1.8	4.85	2.5	5.00				
ISA	405.1	1.6	4.90	3.1	5.19				
PLM	131.6	80.9	5.11	98.8	5.19				
RVR	206.8	14.1	4.82	29.8	5.14	1.2	5.14	1.4	5.21
SBC	421.3	9.2	5.38	9.7	5.40	0.6	5.08	0.7	5.15
TIN	518.1	7.5	5.47	5.5	5.35				
Median					5.15				5.14

Stat.	Dis.	WOOD/ANDERSON READINGS				100X READINGS			
		North/South		East/West		North/South		East/West	
		Ampl.	ML	Ampl.	ML	Ampl.	ML	Ampl.	ML
1979 10/16 06:19 Imperial Valley									
PAS	278.8	14.8	5.17	9.5	4.98	1.2	5.18	0.7	4.94
CWC	452.4	1.6	4.80	3.2	5.10				
ISA	405.1			2.5	5.10				
PLM	131.6	61.5	4.99	74.3	5.07				
RVR	206.8	13.4	4.80	29.3	5.14	1.1	5.11	1.0	5.07
SBC	421.3	9.0	5.37	8.7	5.36	0.9	5.27	1.2	5.40
TIN	518.1	8.5	5.53	8.0	5.50				
Median					5.10				5.11
1979 10/16 06:58 Imperial Valley									
PAS	273.2	36.4	5.56	27.6	5.44	1.1	5.14	1.3	5.21
CWC	445.4	7.6	5.48	11.6	5.66	0.6	5.47	0.5	5.39
ISA	398.4			5.8	5.48				
PLM	126.8	135.5	5.30						
RVR	200.8	24.5	5.00	62.9	5.41	1.6	5.28	2.3	5.38
SBC	416.1	21.4	5.73	21.5	5.73	1.8	5.55	1.5	5.47
TIN	511.2	24.0	5.98	18.0	5.86				
Median					5.52				5.47
1980 2/25 10:47 Anza									
PAS	170.2	88.0	5.44						
CWC	356.5	5.9	5.07	7.8	5.19				
ISA	300.4	13.3	5.33	18.8	5.48				
SBC	314.2			50.7	5.70				
TIN	424.6	24.0	5.72	21.0	5.67				
Median					5.46				
1980 5/25 16:33 Mammoth Lakes									
PAS	386.1	98.5	6.49	125.7	6.60	8.0	6.50	7.5	6.47
BAR	580.1	29.1	6.37						
CWC	146.3	126.0	5.35			18.0	5.61	12.5	5.45
RVR	421.0	43.8	6.26	82.5	6.53	3.1	6.50	2.5	6.41
SBC	355.4	109.8	6.24	101.6	6.21	14.4	6.26		
Median					6.31				6.37

Stat.	Dis.	WOOD/ANDERSON READINGS				100X READINGS			
		North/South		East/West		North/South		East/West	
		Ampl. ML		Ampl. ML		Ampl. ML		Ampl. ML	
1980 5/25 16:49		Mammoth Lakes							
PAS	386.1	37.0	6.07			2.6	6.01	2.3	5.96
BAR	580.1	9.7	5.89						
CWC	146.3	70.8	5.15			4.2	5.02	5.4	5.13
RVR	421.0	6.8	5.48	16.8	5.87				
SBC	355.4	59.0	6.12	61.2	5.99	3.3	5.82	4.4	5.74
Median					5.89				5.87
1980 5/25 19:44		Mammoth Lakes							
PAS	381.1					14.0	6.75		
BAR	580.1	49.7	6.60						
CWC	139.4					18.0	5.56	24.5	5.69
RVR	421.0	50.0	6.30			4.1	6.61	4.5	6.65
SBC	353.2					33.4	6.62	34.0	6.63
Median					6.45				6.61
1980 5/25 20:23		Mammoth Lakes							
PAS	386.1	1.7	4.75	3.0	4.99				
BAR	580.1	0.6	4.67						
CWC	146.3	11.5	4.36	12.0	4.38				
ISA	215.9	8.6	4.79						
RVR	421.0	0.5	4.35	1.1	4.70				
Median					4.69				
1980 5/25 20:35		Mammoth Lakes							
PAS	386.1	26.2	5.92	35.0	6.04				
BAR	580.1	3.8	5.48						
CWC	146.3	66.3	5.10	76.0	5.16	4.5	5.04	4.0	4.98
RVR	421.0	10.1	5.64	17.8	5.89				
SBC	359.6					5.2	5.82	4.4	5.74
Median					5.64				5.64
1980 5/25 20:59		Mammoth Lakes							
PAS	384.7	10.9	5.54	10.2	5.51				
BAR	577.5	1.3	5.01						
CWC	142.8	26.2	4.65	18.0	4.48	2.0	4.63	2.0	4.63
ISA	214.5	22.4	5.17						
RVR	418.6	1.5	4.77	3.0	5.08				
SBC	356.6	14.6	5.36	10.0	5.20				
TIN	78.7			76.5	4.57	2.2	5.44	1.4	5.24
Median					5.08				5.08

Stat.	Dis.	WOOD/ANDERSON READINGS				100X READINGS				
		North/South		East/West		North/South		East/West		
		Ampl. ML		Ampl. ML		Ampl. ML		Ampl. ML		
1980	5/27	14:50	Mammoth Lakes							
PAS	373.3		106.5	6.46						
CWC	132.0					12.0	5.38	18.5	5.57	
RVR	407.3		29.5	6.07	65.0	6.41	2.5	6.40	1.7	6.23
Median					6.41				6.41	
1980	6/9	03:28	Cerro Prieto							
PAS	359.7		88.2	6.35	61.5	6.19	4.2	6.12	3.5	6.04
CWC	544.4		27.0	6.23	39.0	6.39	1.8	6.15	1.6	6.10
ISA	495.2		4.3	5.53	4.3	5.53				
RVR	291.7						1.7	5.73	2.7	5.93
SBC	497.2						4.3	6.13	4.5	6.15
Median					6.21				6.12	
1981	4/26	12:09	Westmorland							
PAS	264.1		48.0	5.62	60.5	5.72	2.6	5.45	2.7	5.47
ISA	387.1		8.5	5.53	9.9	5.60				
RVR	191.0		50.1	5.30			3.0	5.48	3.8	5.58
SBC	407.5		58.0	6.16	27.0	5.83	4.3	5.93	3.3	5.82
TIN	499.3		43.5	6.14						
Median					5.67				5.60	
1981	9/4	15:50	Catalina Escarpment							
PAS	100.8						12.7	5.32	12.8	5.32
CWC	321.7		12.7	5.22	14.4	5.28	1.2	5.29	1.5	5.39
ISA	229.2		18.0	5.15						
PLM	209.9		145.5	5.76	100.5	5.60				
RVR	163.3		102.8	5.44	69.8	5.27	5.0	5.54	2.7	5.27
SBC	103.9						36.3	5.39	24.7	5.23
TIN	384.6		69.0	6.04	44.6	5.85				
Median					5.44				5.32	
1981	9/30	11:53	Mammoth Lakes							
PAS	393.2		58.2	6.26			2.6	6.01	6.3	6.40
BAR	586.2		9.9	5.90						
CWC	146.8						4.5	5.02	5.8	5.13
ISA	223.0		63.9	5.64						
PLM	509.9		29.7	6.22	31.3	6.24				
RVR	427.2		13.2	5.74	33.8	6.15	0.9	5.97	1.2	6.10
SBC	363.9		75.3	6.09	51.8	5.91	6.0	5.88	6.0	5.88
Median					6.08				5.97	

Stat.	Dis.	WOOD/ANDERSON READINGS				100X READINGS				
		North/South		East/West		North/South		East/West		
		Ampl. ML		Ampl. ML		Ampl. ML		Ampl. ML		
1981	9/30	13:06	Mammoth Lakes							
PAS	393.2		7.1	5.38	14.0	5.68	0.7	5.47	2.4	6.01
BAR	586.2		1.8	5.15						
CWC	151.4		16.5	4.52	17.3	4.54	0.9	4.35	1.2	4.48
ISA	223.0		27.5	5.30	28.3	5.32				
PLM	509.9		3.0	5.27	4.3	5.43				
RVR	427.3		2.6	5.09	4.1	5.28				
SBC	363.9		18.6	5.47	9.4	5.17	2.1	5.42	0.9	5.05
TIN	86.7		65.1	4.55	74.0	4.60				
Median					5.27		5.27			
1982	6/15	23:49	Anza							
PAS	154.2		28.9	4.86	25.8	4.81				
BAR	97.0		76.7	4.88						
GLA	180.0		37.5	(4.98)	45.5	(5.06)				
RVR	81.9		53.6	4.73	67.0	4.83	3.1	4.89	2.6	4.81
SBC	298.3		8.5	4.83			1.8	5.05	1.2	4.88
TIN	413.5		6.8	5.13	7.0	5.14				
CWC	344.6		2.0	4.54	1.8	4.50				
Median					4.83		4.86			
1982	10/25	22:26	Coalinga							
PAS	314.0		24.1	5.58	39.3	5.79	2.0	5.60	2.9	5.76
CWC	208.5		104.0	5.62			9.5	5.68	14.0	5.85
PLM	460.6		6.3	5.42	9.0	5.58				
RVR	376.7		6.2	5.28	12.2	5.57				
SBC	216.6				52.5	5.26	8.5	5.47	8.0	5.34
Median					5.60		5.80			
1983	1/7	01:38	Mammoth Lakes							
PAS	386.2		17.5	5.74	23.8	5.88	2.0	5.90	2.5	6.00
CWC	146.3		62.0	5.06	65.2	5.08				
PLM	504.1		7.5	5.62	9.3	5.71				
SBC	355.6		26.6	5.62	13.1	5.32	2.2	5.44	2.4	5.48
Median					5.62		5.62			

Stat.	Dis.	WOOD/ANDERSON READINGS				100X READINGS				
		North/South		East/West		North/South		East/West		
		Ampl. ML		Ampl. ML		Ampl. ML		Ampl. ML		
1983 1/7	03:24	Mammoth Lakes								
PAS	397.2	26.3	5.99	31.8	6.07	2.4	6.05	2.9	6.13	
CWC	159.1	81.0	5.21	85.8	5.23					
ISA	227.1			43.0	5.52					
PLM	516.3	8.3	5.72	12.9	5.91					
SBC	363.1	26.7	5.63	17.0	5.43	3.0	5.58	2.5	5.50	
Median					5.63	5.63				
1983 5/2	23:42	Coalinga								
PAS	301.5	99.6	6.11	116.0	6.18	6.4	6.02	11.8	6.29	
PLM	448.3	33.1	6.12	64.8	6.41					
RVR	364.5	53.4	6.13	70.0	6.25					
SBC	204.7			118.5	5.52	52.0	6.06	35.6	5.90	
Median					6.13	6.12				
1983 5/2	23:46	Coalinga								
PAS	300.2	37.2	5.67	56.0	5.85	3.4	5.73	4.0	5.80	
PLM	446.4	12.2	5.69	18.5	5.87					
RVR	362.4	11.6	5.46	23.2	5.77					
SBC	206.5	93.5	5.44	102.0	5.47	18.0	5.62	18.8	5.64	
Median					5.68	5.68				
1983 5/9	02:49	Coalinga								
PAS	298.6	12.3	5.19	12.4	5.19					
CWC	194.9	50.0	5.20	82.0	5.41					
RVR	360.7	4.0	5.00	5.2	5.12					
Median					5.19					
1983 6/11	03:09	Coalinga								
PAS	309.4	5.9	4.96	9.3	5.16					
ISA	186.4			22.3	5.01					
PLM	456.5	3.2	5.10	4.2	5.22					
RVR	372.9	2.0	4.73	5.1	5.14					
SBC	210.1					4.6	5.06	3.6	4.96	
Median					5.10	5.06				

Stat.	Dis.	WOOD/ANDERSON READINGS				100X READINGS			
		North/South		East/West		North/South		East/West	
		Ampl. ML		Ampl. ML		Ampl. ML		Ampl. ML	
1983 7/3 18:40 Mammoth Lakes									
PAS	382.2	16.7	5.72	19.2	5.78				
PLM	499.4	4.1	5.31	5.3	5.42				
RVR	416.6	2.6	5.01	5.5	5.34				
TIN	78.3	91.0	4.64	101.6	4.69				
Median					5.33				
1983 7/9 07:41 Coalinga									
PAS	304.9	5.7	4.90	7.7	5.03				
CWC	201.5	40.0	5.12	40.6	5.12				
PLM	451.4	2.0	4.90	2.5	5.00				
RVR	367.4	2.1	4.72	4.3	5.03				
Median					5.01				
1983 7/22 02:40 Coalinga									
PAS	301.7	33.7	5.64	44.6	5.77				
CWC	205.3	137.0	5.69	106.0	5.58				
PLM	448.8	11.1	5.64	16.5	5.82				
RVR	365.1	11.4	5.46	23.1	5.76				
SBC	203.5					16.2	5.54	11.5	5.40
Median					5.67			5.64	
1983 7/22 03:43 Coalinga									
PAS	299.5	8.4	5.02	14.3	5.26				
CWC	205.3	59.0	5.32	113.0	5.61				
PLM	446.7	4.0	5.20	5.0	5.30				
RVR	363.1	2.7	4.83	4.5	5.05				
Median					5.23				
1983 7/25 22:31 Coalinga									
PAS	302.7	15.5	5.32	20.6	5.44				
PLM	450.1	4.8	5.28	8.3	5.52				
RVR	366.5	5.0	5.10	10.3	5.41				
TIN	215.5			103.5	5.44				
Median					5.41				

Stat.	Dis.	WOOD/ANDERSON READINGS				100X READINGS	
		North/South		East/West		North/South	East/West
		Ampl. ML		Ampl. ML		Ampl. ML	Ampl. ML
1983 9/9 9:16 Coalinga							
PAS	297.7	4.3	4.73	15.0	5.28		
PLM	443.8	4.2	5.22	5.5	5.34		
RVR	359.7	3.5	4.94	7.6	5.28		
Median				5.25			

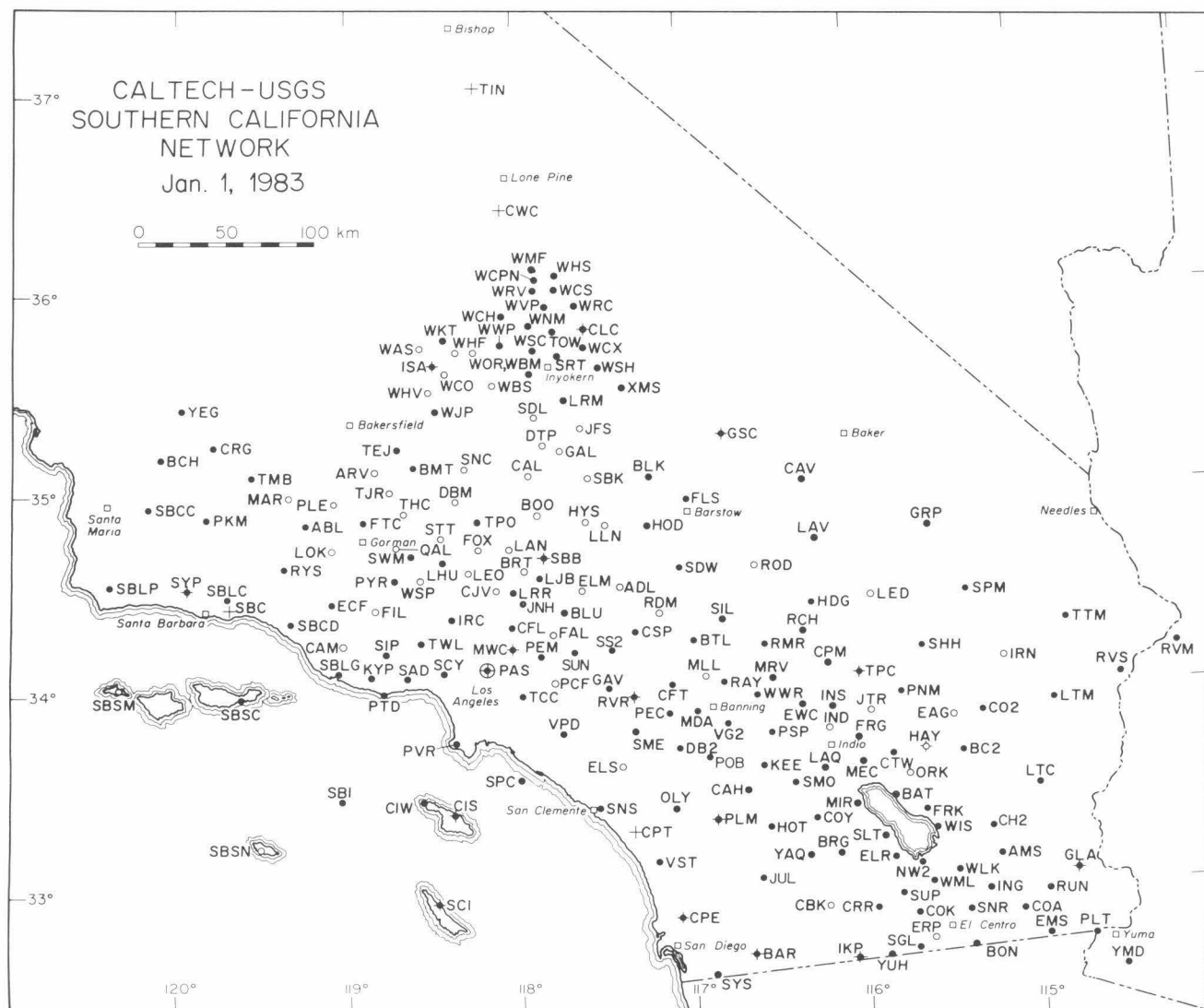
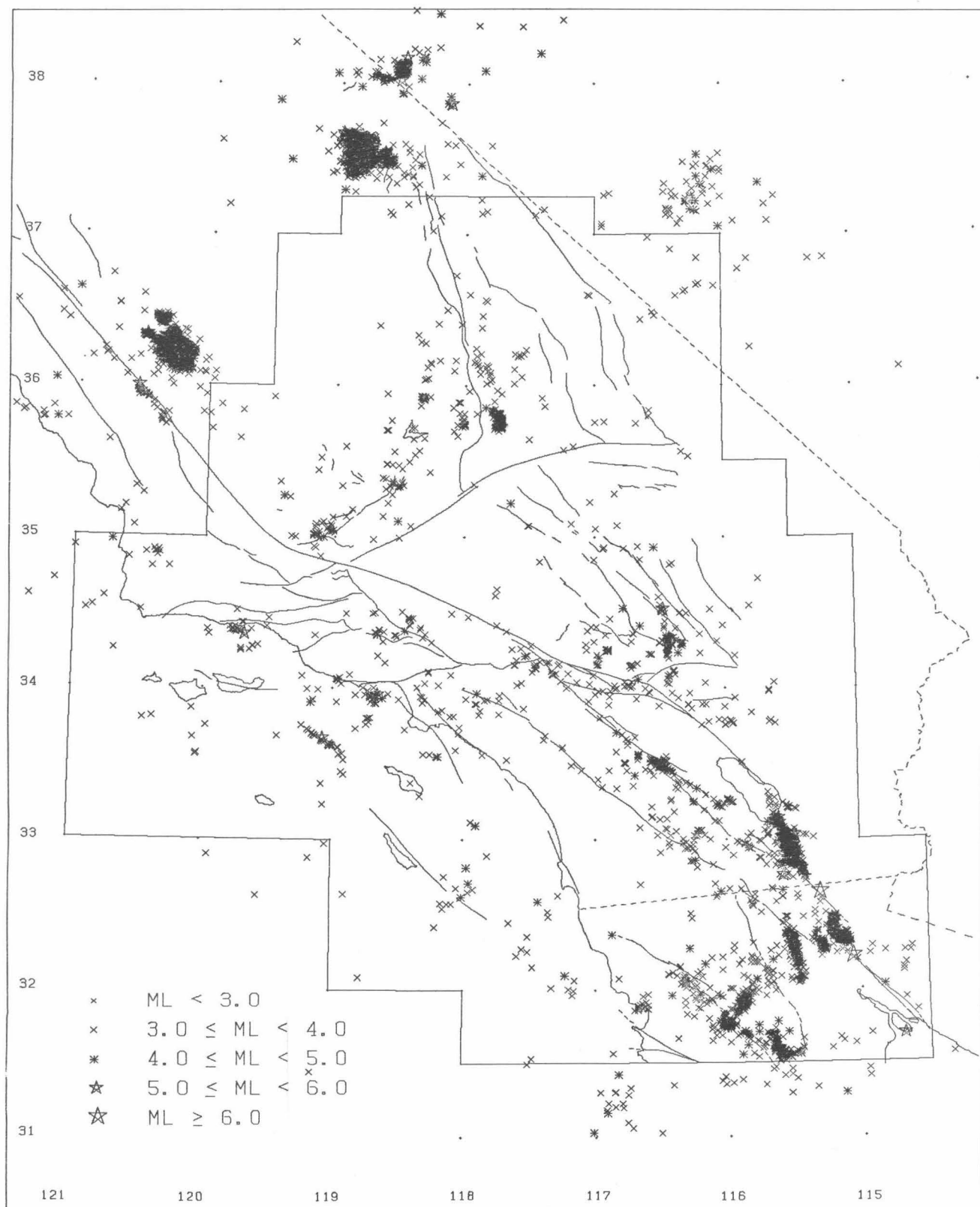


Figure 1. Seismographic stations operated by the CIT-USGS Southern California Network as of January 1, 1983. A solid dot indicates a digitally recorded station. A plus sign indicates a visibly or photographically recorded station. An open circle indicates a discontinued station or a planned station, in either case not recorded as of January 1, 1983.

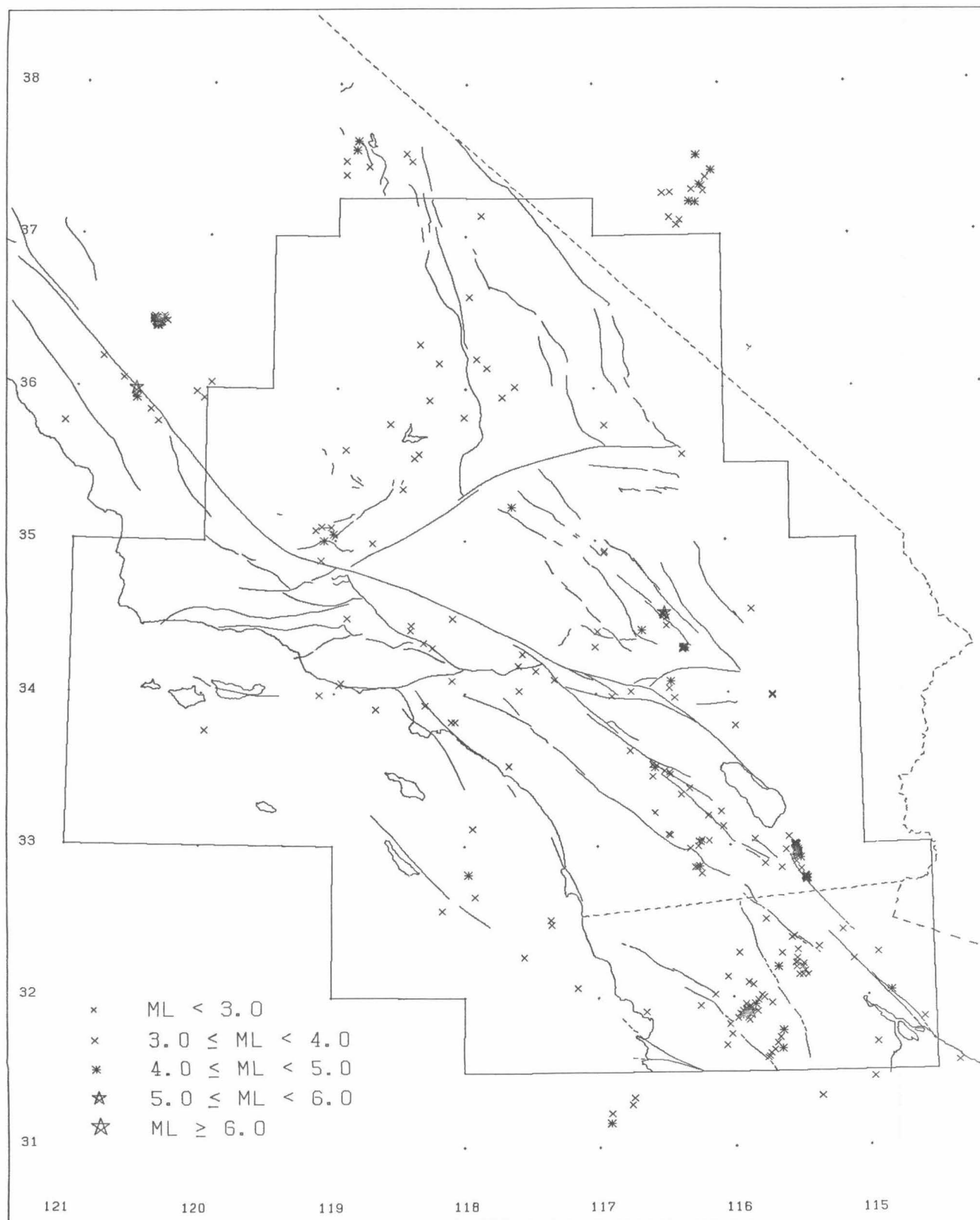
Figures 2 - 12

MAPS OF EARTHQUAKES

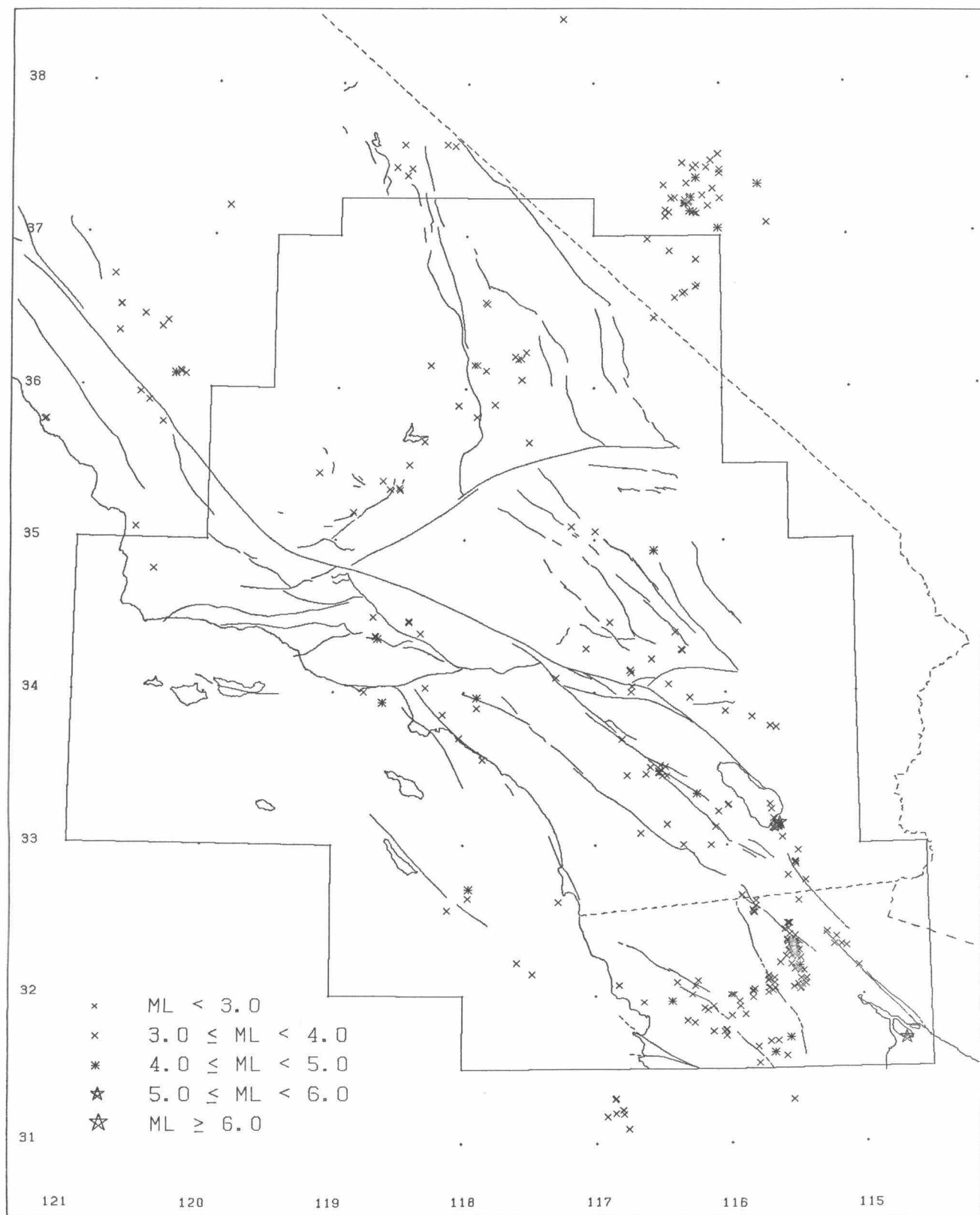
1975 - 1983



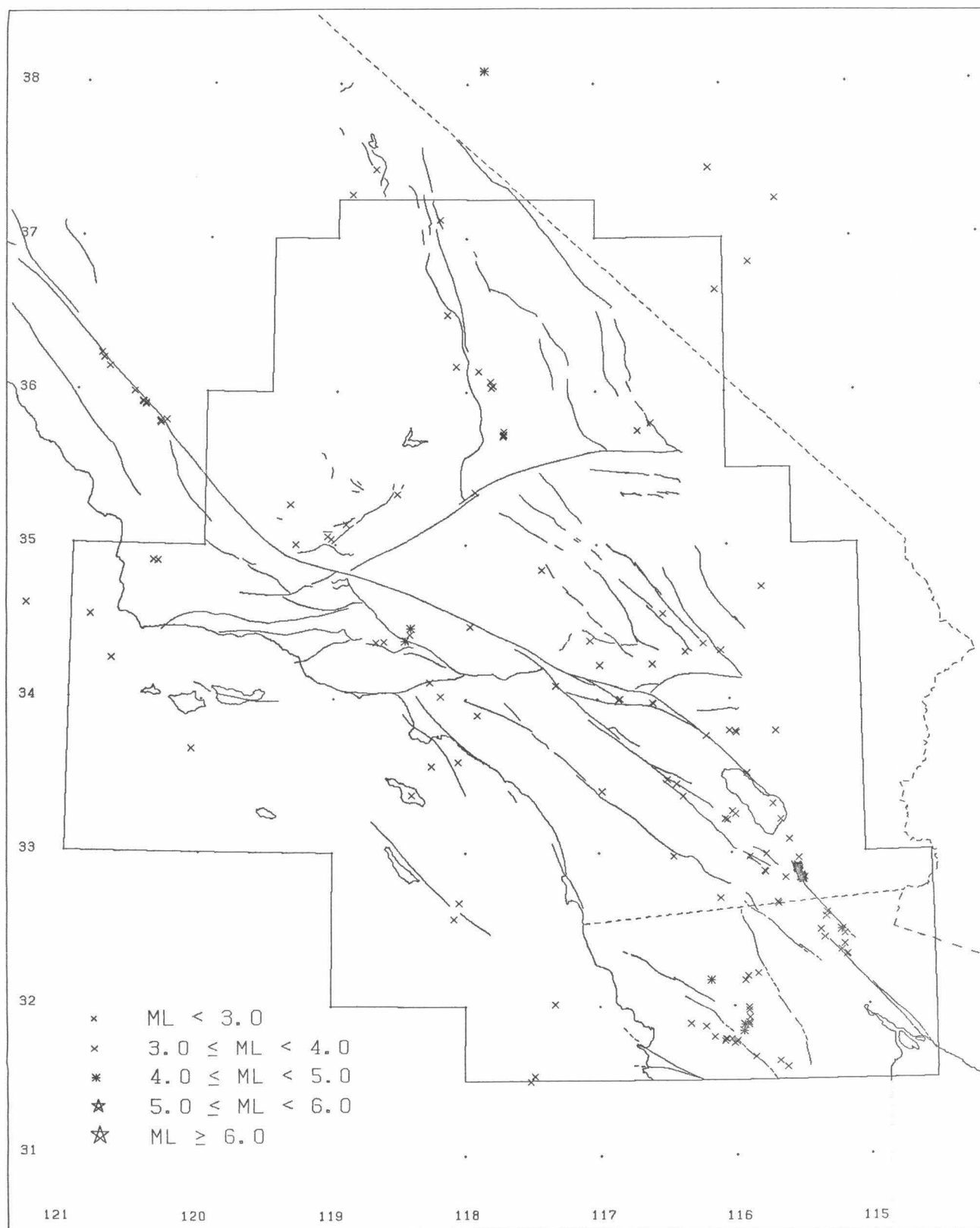
1975



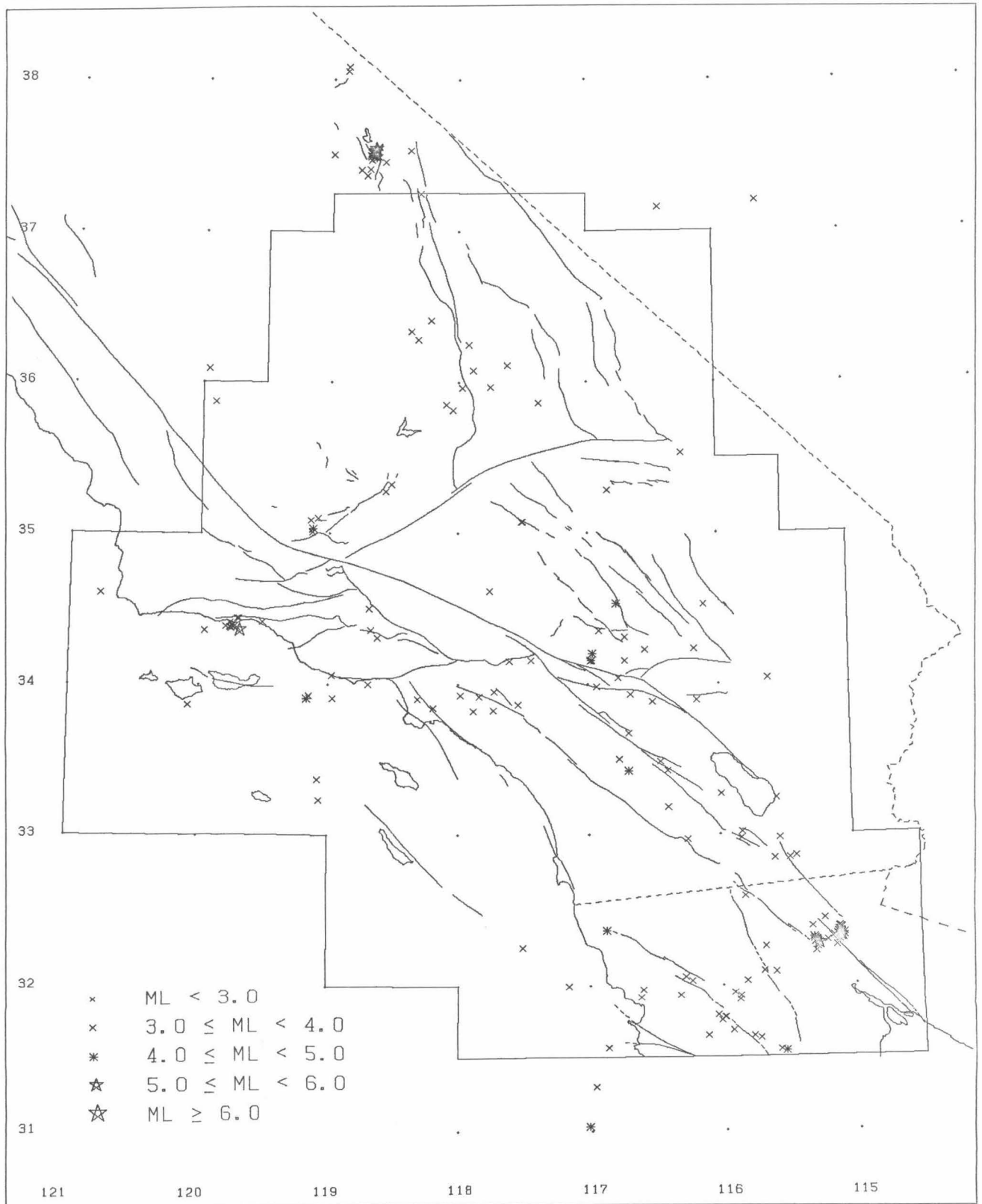
1976



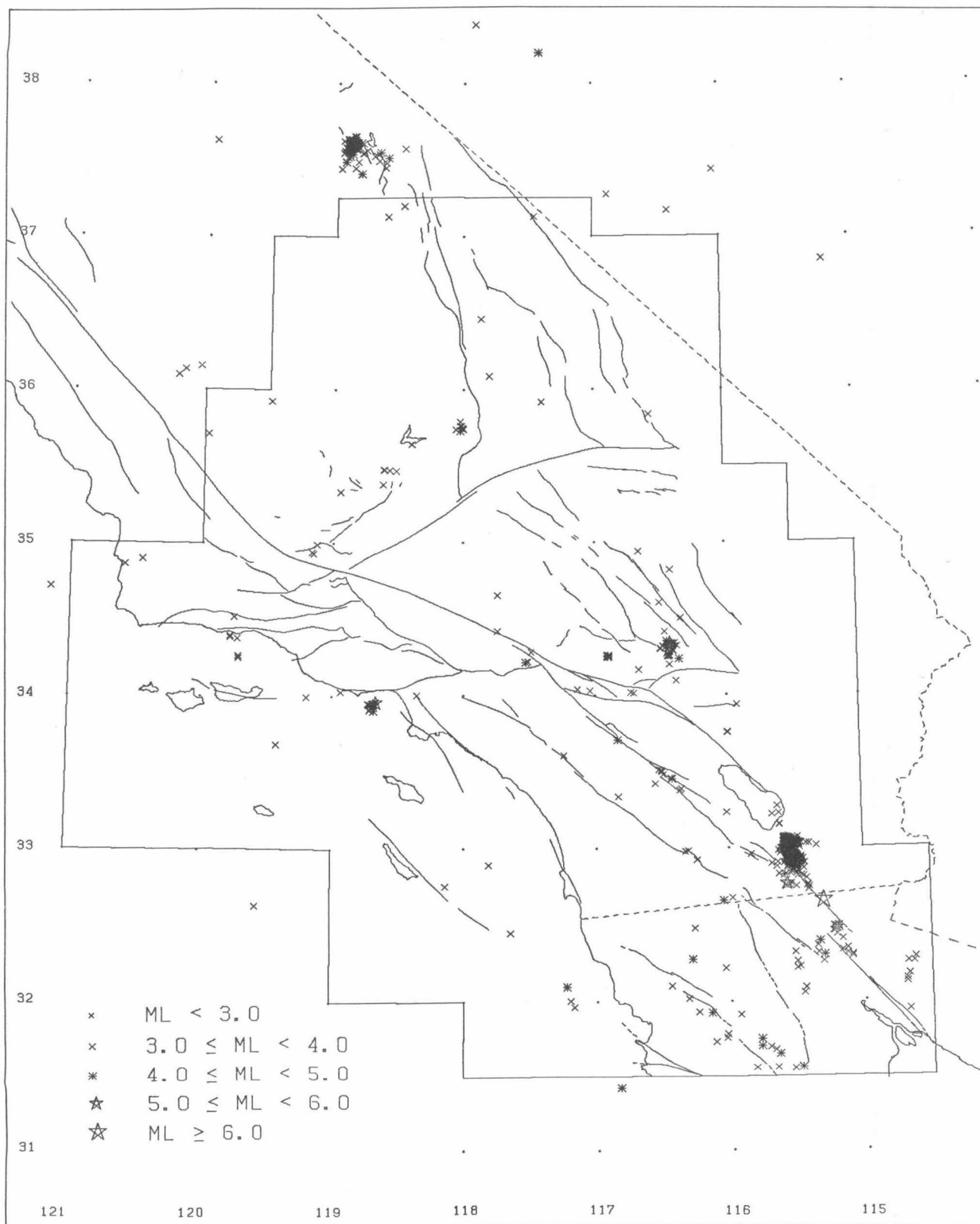
1977



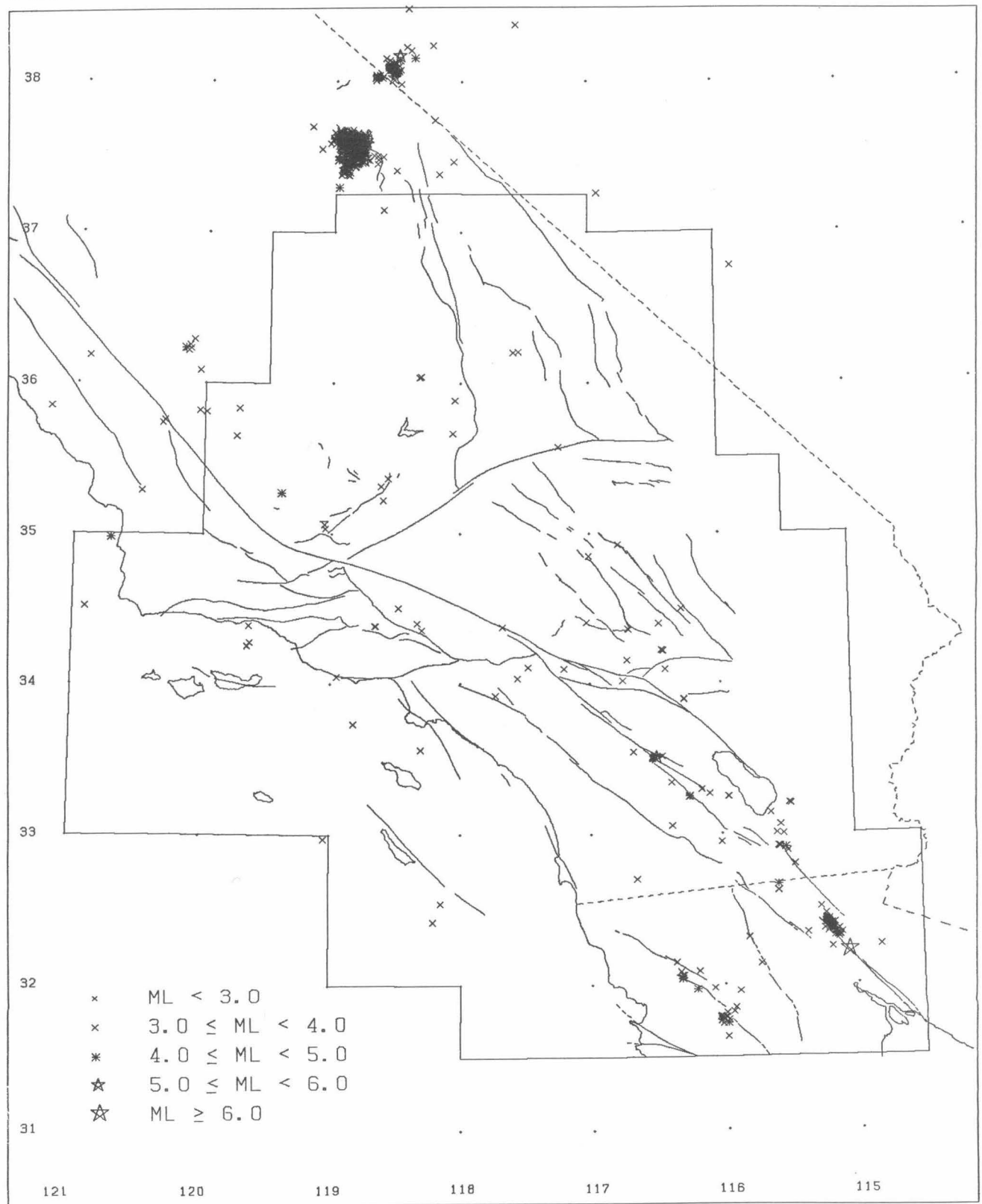
1978



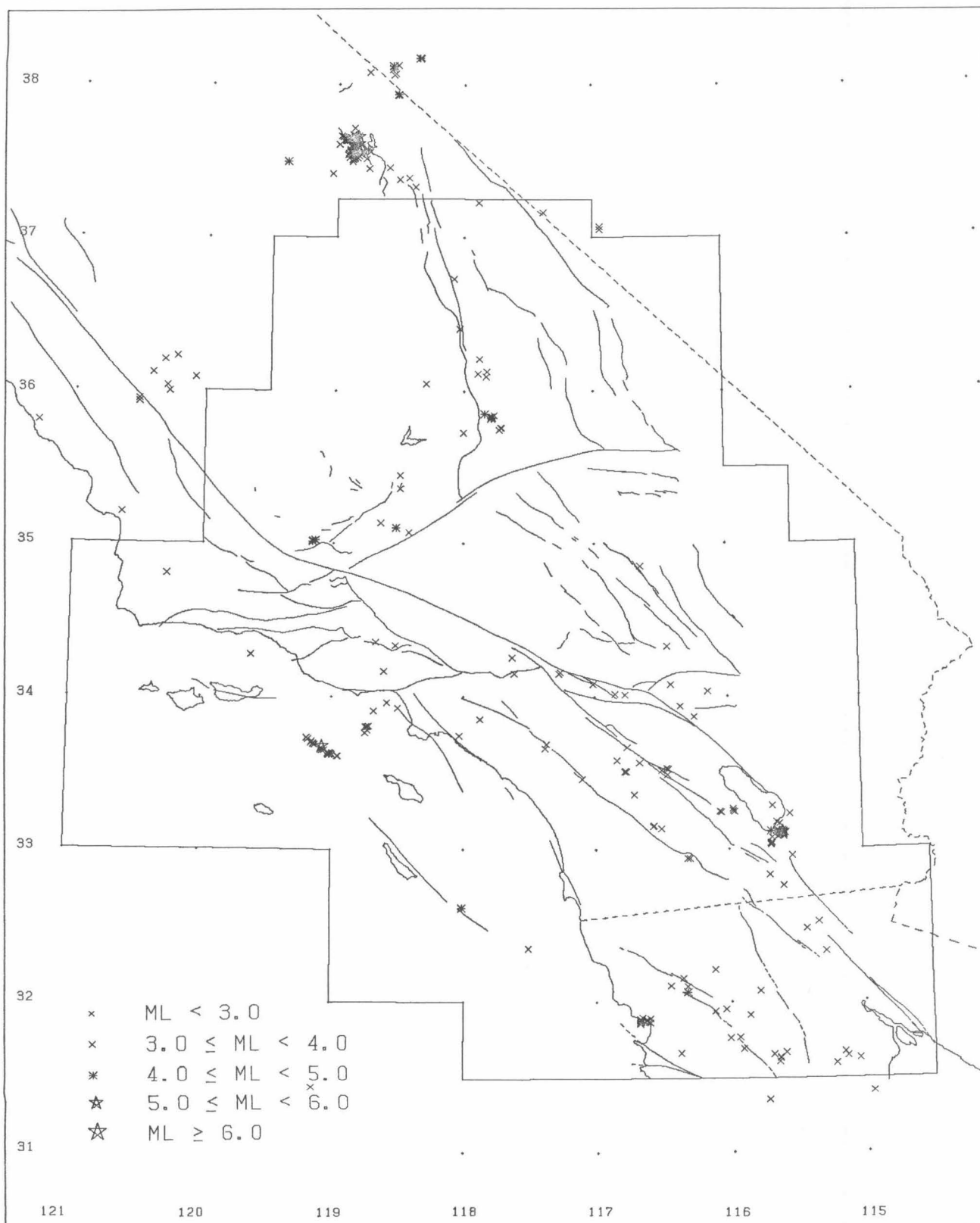
1979



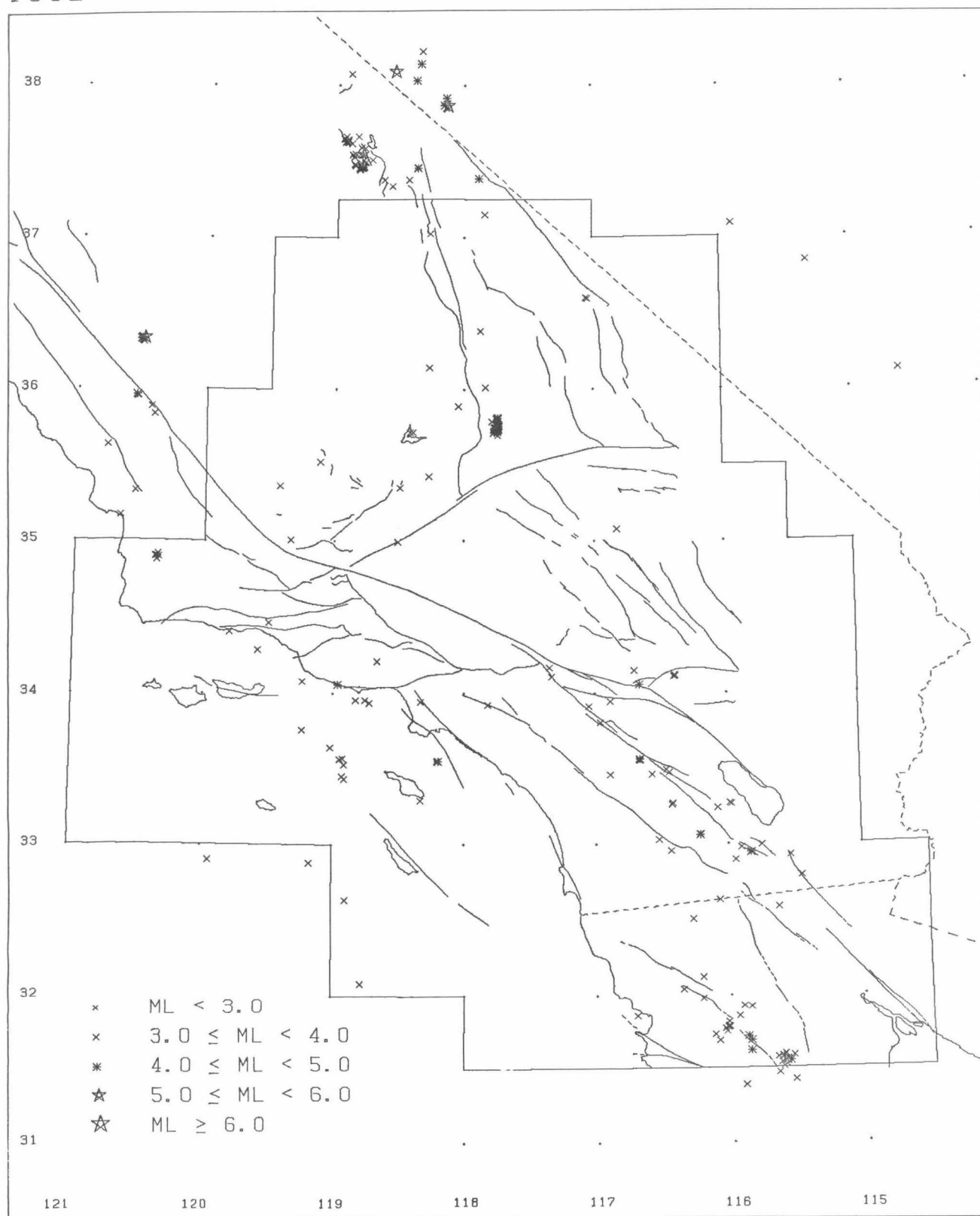
1980



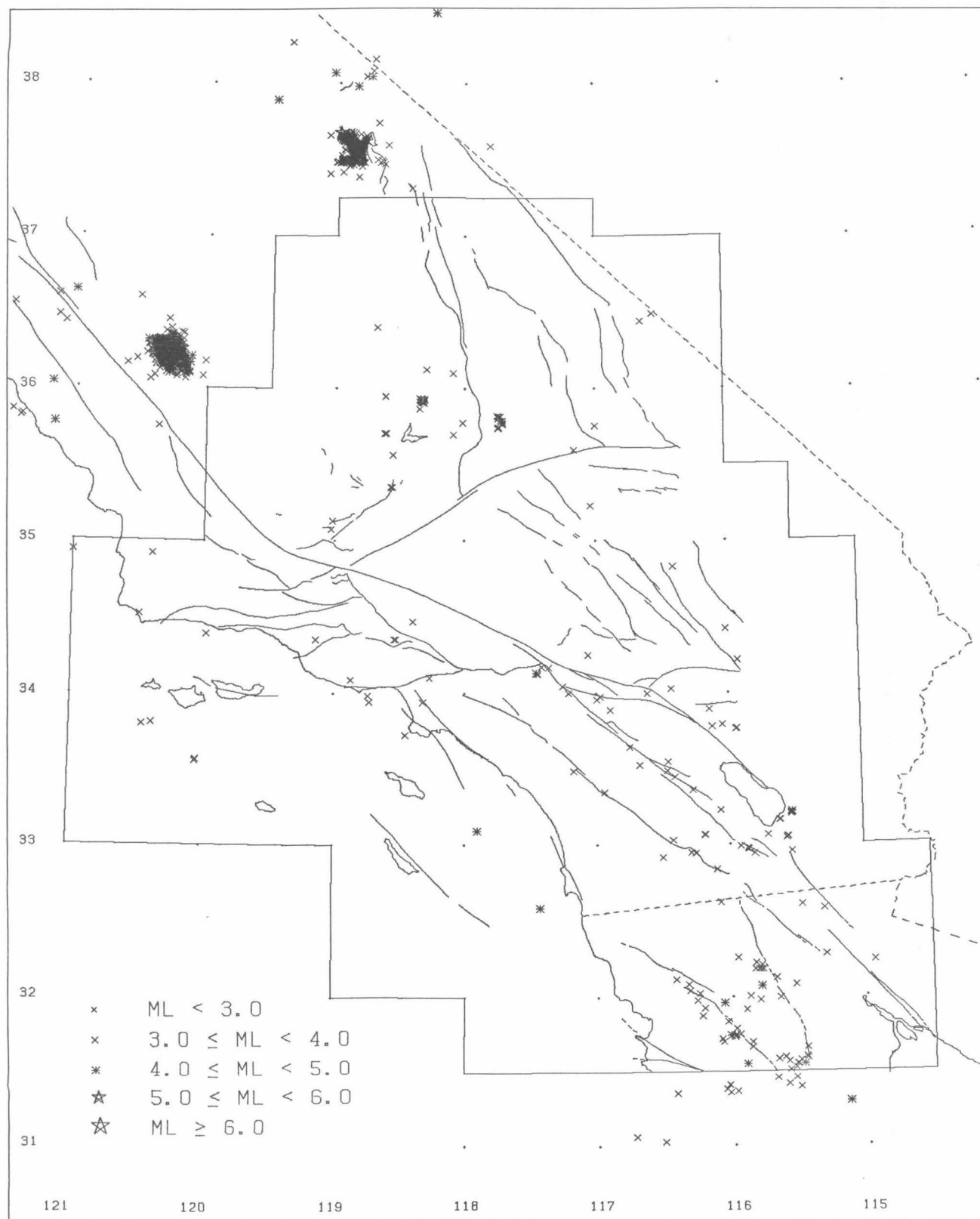
1981



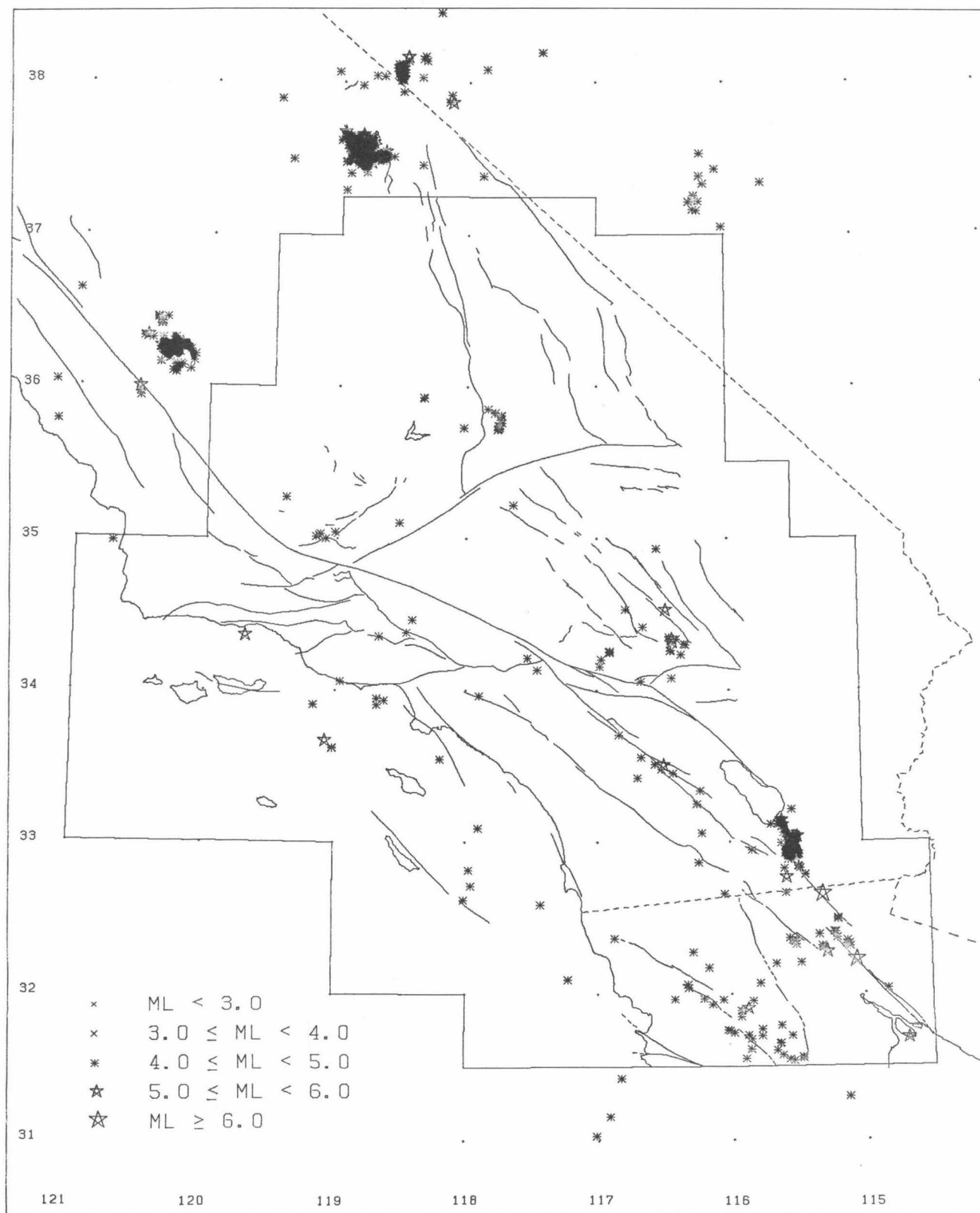
1982



1983



1975 - 1983, 4.0 AND GREATER



LISTS OF EARTHQUAKES

ML 3.0 and Greater

DATE			TIME		LAT.	LONG.	DEPTH	Q	MAG.
1975	1	3	5 55	31.40	33 31.52	-117 39.92	1.98	B	3.4
				FELT	LAGUNA BEACH, SAN JUAN CAPISTRANO				
1975	1	6	11 17	12.30	35 55.70	-120 32.50	8.90	B	4.5
				FELT	PASO ROBLES AREA				
1975	1	12	21 22	15.04	32 48.90	-117 58.46	5.00	D	4.8
				FELT	CATALINA TO SAN DIEGO				
1975	1	13	11 21	50.24	33 48.91	-118 4.59	7.38	B	3.6
				FELT	ORANGE CO.				
1975	1	13	23 28	40.97	34 10.97	-117 35.76	0.01	A	3.2
1975	1	14	7 58	41.32	33 48.76	-118 6.13	13.85	A	3.3
				FELT	LONG BEACH, ANAHEIM				
1975	1	16	12 30	39.13	31 40.95	-116 3.33	5.06	D	3.6
1975	1	19	14 28	50.31	36 17.45	-118 20.96	3.88	C	3.6
1975	1	21	16 47	34.69	32 56.83	-115 29.50	2.19	A	3.3
				FELT	BRAWLEY				
1975	1	23	3 48	43.02	33 53.88	-118 40.40	14.48	B	3.1
				FELT	SANTA MONICA				
1975	1	23	12 30	16.56	32 56.17	-115 30.11	3.54	A	4.2
				FELT	IMPERIAL VALLEY				
				SWARM,	OVER 1000 EVENTS RECORDED				
1975	1	23	12 42	52.12	32 56.10	-115 29.67	4.48	B	3.6
1975	1	23	12 55	49.10	32 56.07	-115 29.90	3.96	B	4.4
1975	1	23	13 2	7.80	32 56.23	-115 29.54	4.56	B	3.6
1975	1	23	13 47	19.52	32 56.98	-115 30.02	4.21	A	3.8
1975	1	23	14 15	40.10	32 55.05	-115 29.77	4.52	A	3.2
1975	1	23	14 49	9.83	32 57.23	-115 29.80	1.37	A	3.6
1975	1	23	15 14	6.36	32 57.06	-115 30.31	4.57	B	3.2*
1975	1	23	15 45	40.25	32 57.01	-115 29.87	4.08	A	4.3
1975	1	23	17 1	35.80	32 58.45	-115 29.96	3.77	A	3.3
1975	1	23	17 2	30.26	32 56.92	-115 30.26	5.00	D	4.9
1975	1	23	18 15	30.49	32 56.35	-115 29.75	4.11	A	3.3*
1975	1	23	19 17	46.01	32 57.22	-115 29.29	5.00	D	3.0*
1975	1	23	21 45	16.20	32 55.36	-115 29.39	4.26	A	3.3*
1975	1	23	22 21	4.62	32 59.73	-115 30.20	3.38	A	3.3*
1975	1	23	22 28	11.52	32 59.94	-115 30.35	3.91	A	3.2*
1975	1	23	23 24	34.76	32 59.56	-115 30.39	5.34	B	4.1
1975	1	24	4 0	39.92	32 58.01	-115 29.51	3.89	A	3.1*
1975	1	24	6 45	53.21	32 55.41	-115 29.77	10.62	B	3.8
1975	1	24	11 15	2.65	32 56.67	-115 29.96	6.78	B	3.3*
1975	1	24	18 26	55.58	32 54.81	-115 28.40	4.03	A	4.0*
1975	1	24	19 42	22.92	32 56.69	-115 29.48	8.73	B	3.4*
1975	1	24	19 57	13.50	32 55.52	-115 29.53	4.43	B	3.3*
1975	1	25	5 8	39.42	33 0.34	-115 30.28	5.34	A	3.6*
1975	1	25	6 1	33.37	32 59.70	-115 30.73	3.68	A	3.2*
1975	1	25	7 1	49.86	32 59.42	-115 31.08	3.60	B	3.9*
1975	1	25	13 9	0.74	32 59.55	-115 30.55	3.85	A	3.0*
1975	1	25	14 31	1.41	32 59.50	-115 31.04	4.34	B	3.9*

DATE	TIME				LAT.		LONG.		DEPTH	Q	MAG.
1975	1	25	14	53	51.28	32	59.95	-115	31.02	5.05	A 3.5*
1975	1	25	15	9	11.77	33	0.15	-115	31.03	4.32	A 3.4*
1975	1	25	15	17	26.64	32	59.34	-115	30.96	2.79	B 3.1*
1975	1	25	15	25	49.26	33	0.15	-115	31.26	4.08	A 3.2*
1975	1	25	15	56	18.98	33	0.63	-115	30.78	4.24	A 3.1*
1975	1	25	18	2	7.81	32	59.75	-115	30.73	4.78	A 3.6*
1975	1	26	3	41	56.32	32	58.83	-115	30.76	4.33	B 3.8*
1975	1	27	2	7	19.13	32	29.16	-117	20.90	6.00	C 3.2*
1975	1	30	7	22	52.12	37	27.75	-118	45.85	4.80	D 3.3*
1975	1	30	8	7	7.30	35	58.50	-120	4.90	11.80	C 3.4
1975	1	30	14	3	17.92	34	0.83	-116	44.05	12.01	B 3.1
FELT PALM SPRINGS											
1975	1	31	15	10	23.21	32	50.24	-115	28.34	6.21	A 3.0*
1975	2	1	4	57	23.53	33	58.72	-115	39.72	8.76	A 3.3
1975	2	1	7	15	55.84	33	58.93	-115	39.77	6.79	B 3.1
1975	2	2	4	17	9.09	33	58.97	-115	39.60	5.30	A 3.2
1975	2	2	10	1	25.63	31	56.59	-116	14.83	6.00	D 3.4
1975	2	9	2	51	17.98	32	55.26	-115	29.23	9.74	B 3.0*
1975	2	10	12	51	17.29	34	24.65	-116	38.78	2.10	A 4.2
1975	2	12	12	3	16.50	35	56.30	-120	1.30	16.70	D 3.7
1975	2	23	10	21	59.77	34	4.03	-118	56.86	15.62	B 3.2
1975	2	23	19	7	5.35	32	11.62	-115	39.69	5.20	D 4.2
1975	2	25	11	13	22.07	37	8.09	-117	52.74	5.15	B 3.6
1975	2	27	16	43	6.49	34	24.94	-118	24.72	8.43	A 3.1
1975	3	3	15	34	45.04	33	55.53	-118	18.10	11.92	A 3.4
FELT L.A. AREA											
1975	3	3	16	42	18.66	34	18.29	-118	14.76	4.78	A 3.0
FELT GLENDALE AREA											
1975	3	4	12	6	19.51	35	45.36	-116	55.34	5.00	C 3.4
1975	3	5	2	14	35.69	33	46.59	-115	56.94	2.19	A 3.0
1975	3	5	7	35	48.30	33	1.27	-116	13.60	10.72	B 3.0
1975	3	9	6	58	6.73	35	48.61	-118	0.71	5.07	C 3.0
1975	3	17	0	13	44.79	34	9.15	-117	27.57	17.13	A 3.3
FELT FONTANA, RIVERSIDE AREA											
1975	3	17	16	29	26.26	34	29.62	-118	54.08	15.13	B 3.4
1975	3	19	5	16	54.22	33	1.65	-116	9.75	0.66	B 3.3
1975	3	21	12	2	31.44	32	59.67	-116	14.75	13.58	B 3.3
1975	3	23	4	30	22.40	34	5.50	-117	19.15	16.36	A 3.0
1975	3	25	0	35	13.10	33	1.93	-116	13.02	11.18	B 3.3
1975	3	26	4	30	53.81	36	15.11	-115	46.65	18.12	C 3.6
1975	3	27	22	40	28.01	33	28.04	-116	26.83	1.47	A 3.3
1975	3	28	5	26	12.08	33	58.89	-115	39.76	3.94	A 3.1
1975	3	28	9	29	35.73	31	45.32	-116	1.07	4.13	D 3.8
1975	3	28	14	6	49.81	33	58.46	-115	39.87	3.53	A 3.0
1975	3	28	21	0	9.70	36	8.16	-117	49.97	4.49	C 3.1
1975	3	30	6	36	42.19	36	9.93	-118	12.26	3.28	D 3.0
1975	4	1	12	53	55.92	31	37.61	-115	43.68	5.44	D 3.3*
1975	4	5	5	0	13.48	31	44.00	-115	39.39	5.00	D 3.3*

DATE	TIME					LAT.	LONG.		DEPTH	Q	MAG.
1975	4	5	7	15	33.74	35	5.37	-119	6.41	1.97	C 3.0
1975	4	6	14	22	26.75	32	34.54	-118	9.90	11.12	D 3.4*
1975	4	6	16	59	48.82	32	30.51	-115	44.82	2.76	C 3.0*
1975	4	9	23	3	29.12	33	28.80	-116	27.02	1.74	A 3.0
1975	4	11	21	6	5.18	34	3.41	-118	57.62	4.05	C 3.3
					FELT	NEWBERRY PARK TO OXNARD					
1975	4	15	1	5	30.54	34	24.42	-116	59.18	6.00	C 3.0*
1975	4	17	9	18	33.54	35	45.89	-118	34.79	7.32	B 3.9
					FELT	ISABELLA AREA					
1975	4	19	18	46	12.74	33	1.54	-116	14.36	5.00	C 3.9
1975	4	25	0	54	40.07	31	49.28	-116	1.67	6.58	C 3.0*
1975	4	26	16	20	51.18	34	55.94	-116	55.58	5.00	A 3.2
1975	4	26	17	16	22.19	35	35.71	-118	55.30	10.65	B 3.2
1975	4	26	18	32	32.36	33	27.07	-116	34.65	8.25	B 3.3
1975	4	28	0	17	46.93	32	1.74	-114	49.93	6.09	D 4.8
1975	4	28	0	26	40.27	31	51.07	-114	35.19	6.16	D 3.2*
1975	4	28	2	38	59.46	31	41.63	-114	56.39	0.58	D 3.0*
1975	4	28	2	48	39.39	31	27.45	-114	57.68	5.00	D 3.2*
1975	4	28	10	1	26.66	31	33.45	-114	20.01	5.00	D 3.1*
1975	4	28	13	47	36.17	35	33.93	-118	21.48	0.82	C 3.1
1975	4	28	15	21	51.14	32	16.93	-114	55.20	4.84	D 3.2*
1975	4	29	17	35	33.08	35	33.64	-116	19.52	1.19	D 3.0*
1975	5	1	12	3	40.10	35	56.90	-120	33.00	11.10	B 3.4
1975	5	2	1	43	10.30	32	17.34	-115	57.02	2.88	D 3.0*
1975	5	2	10	49	34.08	34	55.45	-116	55.95	7.89	A 3.3
1975	5	2	18	3	23.33	35	13.29	-117	38.60	5.30	A 4.2
					FELT	RIDGECREST					
1975	5	4	0	14	17.82	36	11.63	-117	54.97	0.62	C 3.0
1975	5	13	0	21	35.72	34	59.97	-119	5.40	17.41	C 4.5
					FELT	SANTA BARBARA TO L.A.					
1975	5	14	0	17	59.68	32	57.83	-115	35.02	4.42	A 3.3
1975	5	14	12	2	20.41	37	17.07	-116	23.39	0.00	D 3.3
1975	5	21	21	54	44.94	32	53.25	-115	30.58	4.98	A 3.3
1975	5	22	9	39	0.50	35	57.10	-120	33.40	11.10	B 3.0
1975	5	22	13	0	26.80	36	11.80	-120	48.70	9.40	B 3.2
1975	6	1	1	21	22.34	34	31.16	-116	29.16	10.67	A 3.3
1975	6	1	1	35	54.48	34	31.09	-116	29.15	0.99	A 3.4
1975	6	1	1	38	48.77	34	31.02	-116	29.38	0.82	A 5.0
					FELT	BARSTOW TO L.A. AREA					
1975	6	1	1	48	31.23	34	31.46	-116	29.40	0.99	A 3.1
1975	6	1	5	13	23.45	32	52.64	-115	44.65	8.15	B 3.4
1975	6	2	10	57	47.11	32	14.40	-115	6.10	7.73	B 3.0*
1975	6	3	21	53	47.94	34	29.73	-116	27.45	0.35	B 3.0
1975	6	5	14	46	45.27	35	2.59	-119	0.83	8.61	B 4.0
					FELT	BAKERSFIELD					
1975	6	6	1	0	25.18	34	31.63	-116	29.03	2.86	A 3.3
1975	6	8	10	15	4.10	35	46.80	-120	22.50	5.20	B 3.5
1975	6	10	10	9	0.66	32	0.88	-116	8.48	5.54	C 3.0

DATE	TIME		LAT.	LONG.	DEPTH	Q	MAG.
1975	6	11	18 41	42.80	36 3.70 -120 39.10	6.80	B 3.4
1975	6	12	16 17	8.70	31 57.54 -115 42.90	7.48	B 3.0
1975	6	14	20 57	12.10	32 26.02 -115 10.86	5.09	C 3.0
1975	6	14	22 55	51.47	34 31.44 -116 29.41	3.01	A 3.1
1975	6	17	11 49	56.29	32 46.64 -115 26.36	6.89	C 3.6
FELT BRAWLEY AREA							
1975	6	19	19 1	54.66	32 47.37 -115 26.69	5.36	B 3.7
1975	6	20	4 6	22.98	32 46.38 -115 26.31	5.77	A 3.5
1975	6	20	4 13	18.16	32 47.46 -115 26.16	5.32	B 3.8
1975	6	20	5 48	23.99	32 46.80 -115 25.97	4.45	B 4.2
FELT IMPERIAL VALLEY							
1975	6	20	18 16	42.01	32 45.85 -115 26.11	11.27	B 3.2
1975	6	20	22 15	40.87	32 46.54 -115 25.83	4.03	B 4.2
FELT EL CENTRO AREA							
1975	6	20	22 50	33.14	32 47.96 -115 26.48	12.90	A 3.4
1975	6	21	2 55	28.24	32 46.89 -115 26.30	12.23	A 3.5
1975	6	21	14 4	24.12	32 47.05 -115 26.34	14.23	A 3.1*
1975	6	22	2 36	12.34	32 54.81 -115 31.21	4.96	A 3.3*
1975	6	23	5 41	35.12	35 2.64 -119 0.74	7.51	C 3.3
1975	6	23	14 18	15.59	31 39.38 -115 38.52	7.30	D 4.0
1975	6	23	14 34	40.43	31 46.56 -115 38.14	12.21	D 4.2
1975	6	26	22 32	47.01	37 4.08 -116 20.61	0.82	D 3.7
1975	6	27	4 56	33.77	37 22.91 -116 6.61	9.72	D 3.9
1975	6	27	7 26	46.28	37 7.21 -116 23.92	0.01	D 3.8
1975	6	27	11 46	49.65	37 17.97 -116 13.36	0.84	D 3.9
1975	6	28	0 18	54.85	37 20.01 -116 9.70	10.32	D 4.0
1975	6	28	9 47	32.32	37 31.80 -116 11.06	10.06	D 4.1
1975	6	28	10 4	30.40	35 51.20 -120 26.00	6.90	B 3.7
1975	6	29	0 21	1.32	37 5.98 -116 19.11	0.01	D 3.6
1975	6	30	9 12	5.44	37 17.30 -116 7.75	10.05	D 3.8
1975	7	1	4 50	31.75	37 13.15 -116 11.89	2.36	D 4.0
1975	7	1	17 10	42.48	37 19.50 -116 8.54	13.95	D 3.8
1975	7	1	18 14	8.77	37 13.39 -116 14.51	1.71	D 4.6
1975	7	1	22 46	53.75	35 32.39 -118 23.32	0.73	B 3.0
1975	7	4	11 1	43.48	33 13.22 -116 3.95	12.98	A 3.7
1975	7	9	16 9	38.69	37 29.73 -118 56.84	8.27	D 3.0
1975	7	16	11 57	20.50	33 12.95 -116 33.96	14.29	A 3.4
1975	7	17	18 23	47.06	31 53.07 -115 53.67	8.69	D 5.1
FELT SAN DIEGO TO YUMA							
1975	7	18	3 4	31.60	31 55.29 -115 52.48	10.20	C 3.1
1975	7	18	8 12	35.36	31 56.12 -115 52.61	9.97	C 3.3
1975	7	18	13 43	43.50	36 2.30 -119 58.10	4.30	D 3.0
1975	7	19	7 52	8.03	31 53.41 -115 54.53	5.39	D 3.3
1975	7	21	8 2	56.90	31 50.73 -115 53.23	7.63	C 3.2*
1975	7	21	8 21	46.61	31 55.09 -115 54.49	9.72	C 3.4*
1975	7	22	22 21	6.87	33 58.84 -116 52.70	12.32	A 3.0
1975	7	24	1 3	20.32	31 54.31 -115 49.31	15.79	C 3.7
1975	7	24	1 22	13.30	31 53.67 -115 54.01	9.20	C 3.2

FELT PALM SPRINGS, DESERT HOT SPRINGS

DATE		TIME		LAT.		LONG.		DEPTH	Q	MAG.
1975	8 14	8 10	6.83	34	1.95	-116	26.53	11.57	A	3.8
1975	8 15	22 27	52.30	36	26.70	-120	25.50	9.90	C	4.5
1975	8 17	0 24	26.62	37	34.15	-118	51.62	4.10	C	4.3
1975	8 17	8 52	53.10	36	26.50	-120	23.20	7.30	C	3.2
1975	8 18	1 25	23.14	32	50.84	-115	37.14	7.99	B	3.2
1975	8 18	13 20	50.87	31	51.53	-115	58.28	4.98	D	3.5
1975	8 18	10 14	35.35	34	15.69	-117	33.86	9.95	B	3.2
FELT										
1975	8 20	0 15	43.14	31	9.67	-116	54.75	5.00	D	4.2
1975	8 20	0 30	2.05	31	13.57	-116	54.33	5.00	D	3.9
1975	8 20	0 36	25.33	31	19.70	-116	44.24	5.23	D	3.2
1975	8 20	4 37	16.81	34	30.50	-116	28.94	2.60	A	3.4
1975	8 20	19 21	19.06	31	17.08	-116	45.48	4.99	D	3.2
1975	8 21	8 46	15.35	31	52.61	-115	55.90	5.00	D	4.2
1975	8 21	13 21	34.37	35	55.46	-118	16.45	13.46	D	3.1
1975	8 21	14 19	42.70	36	26.60	-120	22.40	12.30	C	3.1
1975	8 26	8 39	28.51	34	52.25	-119	6.53	10.24	C	3.2
1975	8 26	19 34	55.62	31	58.55	-115	49.15	4.95	C	3.2
1975	8 27	22 37	22.33	32	19.56	-115	21.29	9.20	C	3.2
1975	8 28	10 46	50.82	32	13.36	-115	31.21	7.21	C	3.3
1975	8 29	7 52	43.30	36	27.30	-120	25.60	10.70	C	4.4
1975	8 29	8 30	41.20	36	28.00	-120	25.30	5.40	C	3.7
1975	8 29	18 14	3.05	31	53.23	-115	57.25	3.14	D	3.3
1975	8 30	6 35	5.35	31	55.23	-115	54.32	4.64	D	3.0*
1975	9 5	21 55	46.01	34	29.58	-118	5.76	0.00	B	3.0*
1975	9 8	22 25	43.55	32	58.90	-116	18.29	5.57	D	3.1
1975	9 10	0 3	34.39	32	3.81	-117	9.29	5.43	D	3.1
1975	9 11	8 44	45.10	33	2.10	-115	48.99	7.74	A	3.4
1975	9 12	11 59	37.48	31	19.91	-115	20.87	5.05	D	3.7
1975	9 13	21 20	59.10	35	58.70	-120	34.10	11.40	B	5.0
FELT PARKFIELD, S.L.O. AREA										
1975	9 16	12 41	10.09	32	40.10	-117	55.41	0.21	C	3.1
1975	9 16	13 38	18.74	33	19.94	-116	21.95	13.26	B	3.1
1975	9 22	15 48	21.86	32	4.76	-115	51.25	1.97	D	3.1*
1975	9 25	21 39	1.02	32	16.17	-117	33.38	6.05	D	3.1
1975	9 28	2 45	7.73	33	11.56	-116	10.17	2.80	C	3.4
1975	9 30	10 57	4.91	31	54.42	-116	38.89	5.00	D	3.0
1975	10 4	4 43	1.37	32	17.01	-115	37.81	5.00	D	3.0
1975	10 4	9 53	11.93	37	24.20	-118	56.77	1.80	C	3.2
1975	10 5	19 8	53.37	36	36.07	-117	58.48	5.70	C	3.0
1975	10 7	21 12	45.44	37	37.60	-118	51.23	1.28	C	4.1
1975	10 11	16 55	1.26	34	5.17	-118	5.73	4.43	A	3.2
FELT PASADENA AREA										
1975	10 13	13 17	9.57	31	35.90	-115	44.87	4.92	D	3.7
1975	10 13	13 18	49.43	31	36.40	-115	44.36	4.81	D	3.8
1975	10 13	15 10	35.33	31	41.75	-115	40.79	4.99	D	3.3
1975	10 14	10 13	7.79	33	4.20	-116	27.21	8.86	B	3.4
FELT SAN DIEGO AREA										

DATE	TIME	LAT.	LONG.	DEPTH	Q	MAG.
1975 10 14	11 11 19.32	33 4.36	-116 27.84	10.67	B	3.4
1975 10 21	9 15 52.00	33 57.99	-116 24.25	4.00	A	3.6
	FELT	PALM SPRINGS AREA				
1975 10 21	16 38 22.39	33 7.02	-117 56.42	15.93	B	3.1
1975 10 23	3 32 50.87	32 11.36	-115 31.47	7.94	B	3.1
1975 10 23	4 45 24.91	32 11.75	-115 28.51	12.89	D	3.1
1975 10 23	22 14 2.49	34 26.77	-118 24.48	7.31	A	3.1
	FELT	NEWHALL				
1975 10 24	7 17 0.17	32 18.32	-115 30.71	4.70	D	3.4
1975 10 30	17 43 10.65	37 16.89	-116 27.18	2.00	D	3.0*
1975 11 1	12 28 44.15	32 31.15	-117 21.43	5.69	C	3.1
1975 11 3	2 18 43.32	37 25.68	-116 3.79	0.80	D	4.4
1975 11 5	12 23 15.47	34 32.63	-115 48.59	5.11	A	3.0
1975 11 7	22 10 45.72	34 26.71	-116 27.44	3.23	A	3.3
1975 11 13	2 36 30.20	35 46.10	-121 5.80	11.30	B	3.3
1975 11 15	6 13 27.58	34 18.03	-116 20.08	4.63	A	4.6
	FELT	PALM SPRINGS AREA				
1975 11 15	6 20 46.83	34 18.38	-116 19.43	11.44	A	3.3
1975 11 15	6 33 40.77	32 23.90	-115 32.33	5.73	D	3.7
1975 11 15	7 43 48.30	34 17.84	-116 20.05	5.15	A	3.4
1975 11 15	22 5 51.55	34 17.24	-116 20.27	3.34	A	3.1
	FELT	PALM SPRINGS AREA				
1975 11 18	18 22 30.10	34 17.83	-116 20.29	4.75	A	3.0
1975 11 22	18 45 33.51	32 0.55	-115 47.42	1.09	D	3.0
1975 11 25	4 48 37.41	31 59.60	-115 46.46	5.56	D	3.9
1975 11 29	8 17 2.58	37 32.78	-118 28.09	8.85	D	3.1
1975 11 29	9 42 21.92	32 23.23	-115 33.22	3.63	D	3.1
1975 11 29	11 44 15.59	33 29.25	-116 29.40	4.23	A	3.0
1975 11 29	18 38 36.15	32 12.87	-115 28.35	16.69	D	3.1
1975 11 29	19 31 51.94	32 9.98	-115 27.63	4.00	C	3.6*
1975 12 2	7 50 40.28	31 57.04	-115 54.62	1.45	D	3.3
1975 12 3	13 26 17.26	32 8.48	-115 30.30	4.64	C	3.7
1975 12 5	17 16 15.30	32 13.20	-115 31.93	5.82	C	3.7
1975 12 6	1 22 10.78	33 2.90	-115 33.55	2.92	A	3.0
	FELT	BRAWLEY				
1975 12 8	7 4 7.54	33 7.35	-116 3.29	6.00	D	3.2
1975 12 9	11 1 43.30	34 1.26	-117 35.29	4.48	A	3.0
	FELT	ONTARIO				
1975 12 9	20 54 37.96	32 15.13	-115 31.25	3.93	D	3.0
1975 12 10	19 19 24.52	37 29.77	-118 25.44	9.53	B	3.7
1975 12 11	17 18 16.45	32 8.44	-115 26.58	0.11	D	3.3
1975 12 12	9 57 59.11	32 57.57	-115 30.75	4.95	B	3.5
	FELT	BRAWLEY				
1975 12 14	11 56 26.93	34 18.23	-117 0.34	9.63	A	3.2
1975 12 14	18 16 19.91	34 17.79	-116 19.54	2.39	A	4.3
	FELT	PALM SPRINGS AREA				
1975 12 19	5 2 0.45	36 0.71	-117 37.05	5.85	C	3.8
1975 12 20	6 54 58.46	35 56.73	-117 42.86	5.26	D	3.0*

DATE	TIME	LAT.	LONG.	DEPTH	Q	MAG.
1975 12 21	1 41 50.85	33 45.13	-119 58.14	5.21	D	3.4
1975 12 22	3 33 19.99	35 5.30	-119 2.09	5.42	B	3.5
1975 12 23	5 47 58.06	32 5.60	-115 53.18	0.98	D	3.0*
1975 12 25	7 18 51.77	32 51.50	-116 14.35	9.38	B	4.2
1975 12 25	9 20 38.52	32 48.93	-116 13.39	15.44	C	3.8
1975 12 25	9 31 10.82	32 51.41	-116 16.37	18.50	B	3.6
1975 12 25	14 34 19.80	33 59.34	-119 6.69	11.20	A	3.3
1975 12 27	21 8 37.47	34 20.16	-118 19.01	3.80	A	3.1
1975 12 27	23 20 4.21	32 51.34	-116 15.19	10.64	B	3.1
1975 12 30	12 47 32.73	32 8.50	-115 28.74	12.07	D	3.5

DATE			TIME		LAT.	LONG.	DEPTH	Q	MAG.
1976	1	1	1 47	54.40	33 30.57	-116 34.73	0.96	A	3.2
1976	1	1	11 15	30.46	32 17.02	-115 30.52	5.00	D	3.0
1976	1	1	17 20	12.89	33 57.97	-117 53.81	5.19	A	4.3
FELT L.A., ORANGE CO.									
1976	1	1	20 7	2.07	33 57.94	-117 53.80	5.43	A	3.3
1976	1	3	11 36	36.27	32 20.97	-115 32.00	5.50	D	3.8
1976	1	3	23 44	30.66	32 21.09	-115 31.07	5.00	D	3.6
1976	1	5	14 57	39.99	37 24.57	-116 0.01	2.88	D	3.3
1976	1	5	18 20	59.16	37 26.04	-116 0.13	2.12	D	3.0*
1976	1	5	21 2	51.11	37 18.66	-116 3.38	1.94	D	3.3
1976	1	6	3 9	21.74	37 14.76	-116 22.96	2.38	D	3.1
1976	1	7	22 10	20.89	32 7.35	-115 39.74	4.93	D	3.0
1976	1	8	3 14	11.75	37 26.98	-116 6.15	8.09	D	3.2
1976	1	8	12 50	44.57	37 29.63	-116 4.30	2.58	D	3.4
1976	1	8	12 58	51.36	37 12.97	-116 14.72	0.01	D	3.2
1976	1	8	13 35	29.01	37 14.93	-115 59.91	2.12	D	3.4
1976	1	8	16 14	13.37	37 20.43	-115 41.94	1.79	D	4.4
1976	1	8	20 26	50.82	33 50.27	-115 47.76	2.94	B	3.2
1976	1	9	11 45	12.93	37 15.00	-116 21.19	2.13	D	3.3
1976	1	10	12 58	18.12	32 20.10	-115 30.96	4.81	D	4.9
1976	1	10	20 30	4.19	32 20.30	-115 31.31	4.98	D	3.2
1976	1	11	1 5	30.25	32 20.17	-115 30.77	5.00	D	4.1
1976	1	11	7 43	0.74	32 18.00	-115 33.18	5.00	D	3.0
1976	1	11	23 31	45.77	32 21.05	-115 31n77	4.87	D	3.2
1976	1	11	23 33	23.73	32 22.27	-115 33.76	5.71	D	3.0
1976	1	12	18 30	57.86	32 19.33	-115 31.05	3.52	D	3.5
1976	1	12	22 59	52.56	38 25.46	-117 14.49	14.98	D	3.7
1976	1	12	23 39	9.68	32 20.22	-115 31.30	5.00	D	3.0
1976	1	13	14 44	44.01	37 32.22	-116 0.57	14.24	D	3.5
1976	1	14	1 57	57.43	32 21.04	-115 31.86	5.01	D	3.9
1976	1	14	2 23	27.42	32 28.74	-115 33.82	5.92	D	3.4
1976	1	14	4 5	12.35	32 12.60	-115 32.34	3.95	D	3.0
1976	1	14	11 1	6.40	36 4.90	-120 11.90	7.90	C	3.2
1976	1	14	20 26	24.51	33 4.86	-116 39.12	15.77	A	3.2
1976	1	14	21 44	0.10	36 5.20	-120 16.60	8.60	C	4.6
1976	1	14	23 40	17.70	36 6.40	-120 14.10	9.10	B	3.6
1976	1	15	0 9	36.60	36 5.70	-120 14.00	9.40	B	3.4
1976	1	15	3 12	6.45	33 53.94	-117 54.08	12.24	A	3.0
FELT PLACENTIA, BREA									
1976	1	15	21 28	2.27	32 17.89	-115 33.48	4.97	D	3.2
1976	1	17	3 58	55.10	32 20.46	-115 31.30	5.33	D	4.8
1976	1	17	13 18	33.87	32 13.25	-115 37.20	4.96	D	3.0
1976	1	17	19 30	3.92	32 4.38	-115 27.15	11.89	C	3.8
1976	1	17	21 38	34.02	37 9.47	-116 12.39	7.85	D	4.2
1976	1	18	7 20	16.06	37 22.83	-116 11.23	5.63	D	4.3
1976	1	19	3 59	15.10	32 16.01	-115 30.06	5.23	D	3.2
1976	1	20	2 44	0.16	37 20.78	-116 15.88	5.94	D	3.2

DATE	TIME			LAT.	LONG.	DEPTH	Q	MAG.
1976	1	20	3 2	14.14	32 5.19 -115 39.75	8.39	D	3.2
1976	1	20	3 43	33.15	37 16.07 -116 8.36	1.99	D	3.0
1976	1	21	8 58	21.33	31 59.16 -115 49.34	8.59	D	3.2
1976	1	21	15 24	47.33	33 0.25 -116 19.60	13.41	B	3.3
1976	1	23	5 15	4.10	31 52.09 -115 52.94	8.00	D	3.2
1976	1	24	1 31	5.93	33 15.73 -115 59.17	0.99	B	3.1
1976	1	24	5 3	47.15	35 38.56 -117 30.12	3.12	C	3.3
1976	1	24	11 49	25.58	32 28.74 -115 32.63	4.92	D	3.9
1976	1	25	23 36	15.96	32 21.00 -115 30.83	5.05	D	3.2
1976	1	26	7 48	18.31	32 15.64 -115 34.27	4.33	D	3.0
1976	1	26	9 2	54.57	36 6.90 -117 50.42	5.09	D	3.0
1976	1	27	0 41	0.09	32 20.66 -115 32.04	8.90	D	4.5
1976	1	27	8 42	27.78	32 20.87 -115 31.62	4.84	D	3.6
1976	1	27	12 30	12.58	31 45.05 -116 2.48	4.96	D	3.4
1976	1	28	4 52	54.30	35 48.78 -117 54.32	5.02	C	3.3
1976	1	28	18 53	4.42	32 18.17 -115 33.00	4.53	D	3.4
1976	1	29	8 42	42.00	35 39.08 -118 19.21	4.20	B	3.0
FELT LAKE ISABELLA AREA								
1976	2	3	0 14	27.17	37 3.16 -116 0.95	2.17	D	4.2
1976	2	3	11 13	4.00	37 12.91 -116 16.99	7.93	D	3.2
1976	2	4	6 51	47.68	37 9.89 -116 14.28	2.43	D	4.0
1976	2	6	1 14	25.94	37 12.74 -116 16.29	13.94	D	4.0
1976	2	6	1 41	11.64	37 13.53 -116 14.52	2.49	D	3.9
1976	2	7	7 36	56.59	37 15.25 -116 13.64	14.05	D	4.4
1976	2	7	9 3	57.00	32 20.22 -115 12.48	9.66	D	3.8
1976	2	11	1 32	39.31	37 14.08 -116 16.64	2.46	D	3.3
1976	2	12	7 40	17.90	32 5.70 -116 23.18	5.19	D	3.1
1976	2	13	14 29	1.21	32 19.94 -115 29.49	5.00	D	3.1
1976	2	13	16 37	34.61	37 28.86 -116 17.69	14.37	D	3.1
1976	2	14	1 9	19.17	32 20.15 -115 31.35	5.00	D	3.0
1976	2	15	5 19	19.51	32 22.13 -115 31.91	5.00	D	3.0
1976	2	16	22 14	34.66	32 38.97 -117 57.69	5.72	D	3.1
1976	2	17	16 41	25.09	33 8.15 -116 27.14	12.24	A	3.2
1976	2	17	21 57	49.87	36 58.90 -116 34.57	1.96	D	3.4
1976	2	17	22 47	12.27	32 20.90 -115 32.12	5.00	D	3.0
1976	2	17	23 18	18.61	37 7.82 -116 26.12	2.03	D	3.9
1976	2	17	23 44	16.37	37 9.30 -116 24.10	14.65	D	3.0
1976	2	18	2 14	27.41	32 21.89 -115 32.02	5.40	D	3.1
1976	2	19	17 1	2.16	36 11.62 -117 34.06	6.99	D	3.9
1976	2	19	22 10	55.16	34 23.33 -118 20.31	5.26	A	3.2
FELT SYLMAR, SOLEDAD CANYON								
1976	2	20	0 20	47.47	36 12.45 -117 36.90	4.51	D	3.1
1976	2	22	10 6	41.50	32 2.77 -115 28.07	6.51	D	3.2
1976	2	22	15 59	55.39	32 1.12 -115 42.57	5.00	D	3.6
1976	2	23	1 10	19.58	32 19.69 -115 31.51	5.27	D	3.3
1976	2	23	7 6	12.12	37 8.92 -116 11.28	8.47	D	3.4
1976	2	23	14 44	34.63	37 20.19 -116 26.69	2.53	D	3.0
1976	2	26	14 3	45.51	31 45.56 -116 1.78	5.24	D	3.3

DATE	TIME				LAT.		LONG.		DEPTH	Q	MAG.
1976	2	28	10	12	18.01	32	21.04	-115	31.31	5.53	D 3.4
1976	2	29	13	1	26.15	33	41.89	-118	2.25	10.63	B 3.0
1976	2	29	22	30	9.71	34	8.97	-116	43.34	2.71	A 3.8
1976	2	29	22	40	35.25	34	8.54	-116	43.58	2.37	A 3.2
1976	3	2	6	48	9.45	34	7.68	-116	43.13	5.00	A 3.0
1976	3	3	7	32	7.97	37	11.74	-116	5.72	2.31	D 3.2
1976	3	3	13	14	18.47	37	15.13	-116	14.56	2.23	D 3.5
1976	3	4	17	42	54.88	35	10.90	-118	51.94	5.65	B 3.4
1976	3	6	12	17	8.57	35	53.52	-117	46.36	2.38	C 3.1
1976	3	9	12	11	47.11	32	7.09	-115	27.88	5.02	D 3.2
1976	3	10	12	41	5.48	37	27.95	-116	11.25	10.03	D 3.1
1976	3	10	15	46	15.45	32	2.55	-115	28.28	6.00	D 3.1
1976	3	11	8	47	7.58	32	19.88	-115	30.26	3.74	D 3.0
1976	3	11	19	19	47.92	32	11.19	-115	29.82	5.16	D 3.2
1976	3	13	18	17	23.64	32	37.81	-115	28.36	5.52	D 3.1
1976	3	15	2	59	13.32	31	51.57	-115	59.05	1.42	D 3.2
1976	3	15	10	41	41.76	32	6.94	-115	25.25	4.98	D 3.2
1976	3	15	20	7	40.04	32	11.84	-115	28.36	5.04	D 4.0
1976	3	15	20	10	29.52	32	6.53	-115	25.74	6.28	D 3.1
1976	3	15	20	13	25.33	32	4.46	-115	29.26	5.00	D 3.0
1976	3	16	2	41	1.53	32	20.56	-115	30.81	5.26	D 4.0
1976	3	16	5	12	56.32	32	21.58	-115	30.00	7.32	D 3.0
1976	3	16	10	0	34.20	36	11.47	-117	35.58	5.44	C 3.6
1976	3	16	12	0	38.69	32	19.06	-115	30.42	11.73	D 4.2
1976	3	16	12	11	0.15	32	11.34	-115	28.92	2.03	D 3.5
1976	3	17	11	7	48.00	32	2.97	-115	39.42	4.53	D 3.1
1976	3	17	15	18	11.47	32	3.53	-115	41.94	5.01	D 3.0
1976	3	17	18	29	8.97	32	14.83	-115	28.04	5.36	D 3.0
1976	3	19	6	43	42.14	34	16.80	-116	19.81	3.43	A 3.0
1976	3	20	6	23	5.36	37	10.11	-116	25.90	13.89	D 3.9
1976	3	20	10	38	10.60	36	31.70	-120	43.30	5.00	C 3.0
1976	3	20	10	50	42.20	36	32.10	-120	43.50	5.40	C 3.5
1976	3	23	2	48	10.43	36	54.10	-116	24.03	14.00	D 3.2
1976	3	24	10	50	15.64	31	55.63	-116	7.11	4.94	D 3.3
1976	3	24	11	52	18.04	32	10.02	-115	28.03	5.00	D 3.8
1976	3	25	2	10	13.90	32	15.79	-115	31.70	5.00	D 3.0
1976	3	26	14	9	49.67	32	9.24	-117	28.39	3.87	D 3.1
1976	3	28	7	22	36.81	33	27.19	-116	27.19	11.60	A 3.5
1976	3	28	19	6	42.68	32	0.36	-115	58.06	5.00	D 3.4
1976	3	29	16	37	56.53	33	2.72	-115	35.25	2.87	A 3.1
FELT BRAWLEY											
1976	3	31	15	6	26.88	32	16.27	-115	30.42	4.99	D 3.5
1976	4	1	0	38	10.25	32	21.39	-115	31.03	5.02	D 3.3
1976	4	1	3	39	47.41	32	23.75	-115	30.47	5.00	D 3.5
1976	4	5	16	42	13.22	37	11.68	-119	53.25	5.72	D 3.0
1976	4	7	3	1	58.50	32	10.59	-115	30.64	5.00	D 3.0
1976	4	7	6	39	33.95	31	57.53	-115	55.64	1.95	D 3.2
1976	4	7	10	38	1.01	32	6.78	-115	42.01	7.25	D 3.4

DATE	TIME			LAT.	LONG.	DEPTH	Q	MAG.
1976	4	7	10 41	31.30	32 8.14 -115 42.50	5.19	D	3.1
1976	4	8	8 10	37.37	32 18.03 -115 28.51	4.75	D	3.3
1976	4	8	15 21	37.85	34 21.41 -118 40.16	17.17	A	4.5
FELT NORTH, CENTRAL L.A. CO.								
1976	4	11	8 56	24.46	32 34.23 -118 6.96	5.05	D	3.1
1976	4	13	11 12	37.23	32 28.83 -115 33.16	5.52	D	3.1
1976	4	14	3 53	2.53	32 52.60 -115 29.84	4.46	A	3.5
1976	4	14	4 6	14.79	32 52.56 -115 29.77	4.48	A	3.0
1976	4	14	4 24	31.93	32 52.47 -115 29.54	4.56	A	3.1
1976	4	14	4 42	0.59	32 52.65 -115 29.79	4.39	A	3.1
1976	4	14	4 57	39.45	32 52.71 -115 29.52	4.30	A	3.0
1976	4	14	6 51	12.76	32 52.73 -115 29.53	4.26	A	3.0
1976	4	14	6 56	4.04	32 52.62 -115 29.64	4.43	A	3.5
FELT EL CENTRO								
1976	4	14	7 25	10.51	31 57.76 -116 25.41	9.06	D	4.1
1976	4	14	7 59	28.31	32 52.13 -115 29.40	4.05	A	3.3
FELT EL CENTRO								
1976	4	14	10 31	1.25	32 52.94 -115 29.70	4.54	A	3.8
FELT EL CENTRO								
1976	4	14	10 48	54.07	32 52.97 -115 29.63	4.49	A	3.5
FELT EL CENTRO								
1976	4	14	13 23	58.95	32 53.03 -115 29.62	4.60	A	3.4
FELT EL CENTRO								
1976	4	14	18 8	10.91	32 20.35 -115 30.10	11.37	D	3.5
1976	4	14	19.47	51.05	32 52.69 -115 29.62	4.97	A	3.0
1976	4	15	2 1	34.41	32 26.38 -115 34.73	5.13	D	3.1
1976	4	15	4 59	32.64	34 22.28 -118 41.09	17.28	A	3.0
FELT WOODLAND HILLS								
1976	4	15	13 12	34.59	34 22.04 -118 40.90	18.43	A	3.0
1976	4	15	14 41	36.95	32 13.47 -117 35.53	14.79	D	3.0
1976	4	17	4 16	20.27	34 0.20 -116 43.30	15.49	A	3.0
1976	4	17	13 51	37.95	32 26.52 -115 33.34	3.46	D	3.5
1976	4	17	18 8	49.04	32 45.62 -115 24.80	3.70	A	3.0
1976	4	19	15 35	4.55	32 6.45 -116 13.90	6.02	D	3.4
1976	4	23	3 7	2.32	37 23.83 -118 28.71	4.03	D	3.5
1976	4	24	21 4	26.49	36 9.20 -117 55.98	5.09	D	3.0
1976	4	25	17 51	7.87	33 33.53 -117 51.28	4.92	C	3.0
FELT SEAL BEACH, BUENA PARK								
1976	4	25	21 30	47.29	31 45.83 -116 1.69	4.96	D	3.1
1976	4	26	0 37	4.00	36 43.80 -120 47.00	8.30	B	3.1
1976	4	26	5 20	39.50	35 54.50 -120 28.80	5.60	B	3.2
1976	4	26	6 46	37.44	33 7.33 -115 37.17	4.64	B	4.0
FELT BRAWLEY								
1976	4	30	2 53	7.30	32 20.31 -115 31.23	5.20	D	3.2
1976	5	1	0 15	5.90	32 0.54 -116 16.46	4.77	D	3.0
1976	5	1	20 15	28.05	32 6.07 -115 42.54	5.01	D	3.7
1976	5	2	7 21	1.53	34 22.04 -118 41.14	17.51	A	3.0
1976	5	7	1 22	11.44	32 21.65 -115 33.17	2.51	D	4.0

DATE	TIME			LAT.	LONG.		DEPTH	Q	MAG.
1976	5	7	14 49	30.35	34	2.42 -116 42.74	2.14	C	3.0
1976	5	8	6 52	3.97	32	24.32 -115 32.76	1.84	D	3.8
1976	5	8	12 14	42.62	31	54.93 -116 11.16	7.21	D	3.2
1976	5	8	13 16	37.52	37	26.64 -116 12.43	6.09	D	3.2
1976	5	10	10 24	23.67	34	27.52 -116 52.84	0.01	A	3.5
				FELT	LUCERNE VALLEY, LAKE ARROWHEAD				
1976	5	12	1 54	38.86	34	22.23 -118 40.94	15.54	A	3.1
				FELT	NEWHALL, CANOGA PARK				
1976	5	12	3 32	6.41	34	22.16 -118 40.67	18.08	A	3.0
				FELT	NEWHALL, CANOGA PARK, SIMI VALLEY				
1976	5	12	9 14	24.43	32	3.27 -115 42.10	5.13	D	3.9
1976	5	16	23 25	58.68	31	5.84 -116 45.39	5.47	D	3.9
1976	5	16	23 54	53.66	31	11.95 -116 47.74	5.00	D	3.5
1976	5	17	0 42	46.15	31	12.14 -116 51.35	2.50	D	3.4
1976	5	17	2 9	12.80	31	18.32 -116 51.27	5.22	D	3.3
1976	5	18	11 3	8.28	31	17.46 -115 32.22	5.38	D	3.2
1976	5	19	5 34	2.42	31	18.02 -116 51.32	5.13	D	3.4
1976	5	19	7 9	18.47	31	13.62 -116 48.08	5.18	D	3.3
1976	5	21	5 18	4.41	32	40.07 -115 53.72	9.19	B	3.0
1976	5	21	18 31	0.99	32	18.07 -115 30.16	5.01	D	3.1
1976	5	23	13 30	20.76	33	41.55 -116 47.45	13.56	A	3.1
1976	5	23	17 39	39.70	36	28.40 -120 32.00	7.60	C	3.3
1976	5	26	11 5	48.06	32	2.08 -115 49.21	5.11	D	3.2
1976	5	27	9 37	40.78	32	57.46 -115 28.12	5.39	D	3.3
1976	5	30	14 1	9.09	32	17.67 -115 29.55	5.39	D	3.5
1976	5	30	16 31	3.93	32	20.38 -115 30.97	1.78	D	3.4
1976	6	1	2 32	5.95	32	18.15 -115 31.75	6.49	D	3.1*
1976	6	1	3 23	48.13	32	18.90 -115 30.95	5.10	D	3.4*
1976	6	1	3 24	21.17	32	17.70 -115 30.89	5.47	D	3.0*
1976	6	1	10 24	46.01	36	27.70 -116 31.63	0.12	D	3.1
1976	6	2	7 37	46.13	32	17.76 -115 31.21	5.13	D	3.0
1976	6	3	0 53	25.23	32	25.20 -115 15.82	0.94	D	3.0
1976	6	3	5 29	16.60	32	23.17 -115 11.35	5.66	D	3.2
1976	6	3	14 50	24.20	35	45.80 -120 22.10	7.40	B	3.4
1976	6	4	23 23	58.76	35	4.34 -120 33.02	6.00	D	3.2
1976	6	5	11 34	19.00	31	35.07 -115 35.21	5.13	D	3.6
1976	6	6	12 45	1.70	36	40.50 -116 10.64	4.84	D	3.7
1976	6	7	0 32	38.19	36	39.92 -116 11.57	9.88	D	3.9
1976	6	7	0 37	14.46	36	37.14 -116 18.08	16.88	D	3.9
1976	6	7	2 29	29.19	32	21.09 -115 30.82	2.89	D	3.1
1976	6	11	13 42	25.61	32	2.77 -115 48.53	4.41	D	3.1
1976	6	13	1 19	41.83	32	37.50 -117 16.77	4.63	D	3.0
1976	6	13	4 39	0.96	31	42.36 -115 33.17	4.07	D	4.1
1976	6	13	4 43	23.65	31	32.29 -115 47.15	5.87	D	3.1
1976	6	17	11 4	55.09	35	19.97 -118 35.17	0.73	B	3.0
				FELT	BODFISH				
1976	6	17	21 35	44.99	34	23.78 -116 22.59	2.91	A	3.1
1976	6	19	10 26	56.17	36	37.84 -116 16.94	5.00	D	3.8

DATE	TIME			IAT.	LONG.			DEPTH	Q	MAG.
1976 6 20	0	51	29.81	34	0.22	-118	46.10	14.93	A	3.1
1976 6 20	18	31	0.68	36	35.73	-116	21.87	6.06	D	3.1
1976 6 24	4	15	17.01	36	9.09	-118	16.69	5.08	C	3.1
1976 6 27	22	11	36.43	34	2.07	-118	17.60	4.18	A	3.1
FELT SANTA MONICA TO PASADENA										
1976 7 5	1	16	31.05	34	48.04	-120	24.36	6.00	D	3.4
1976 7 7	18	27	38.79	37	27.17	-118	34.07	6.46	C	3.7
1976 7 8	0	31	24.40	32	2.07	-115	40.40	5.12	D	3.3
1976 7 8	11	29	22.38	32	19.45	-115	7.01	7.11	C	3.0
1976 7 10	4	18	44.11	31	36.53	-115	40.01	5.00	D	4.4
1976 7 12	4	35	8.08	32	0.28	-115	58.96	6.05	D	3.5
1976 7 13	19	42	25.49	33	45.96	-115	37.10	1.56	A	3.1
1976 7 14	20	19	58.72	33	30.74	-116	27.77	14.75	B	3.0
1976 7 18	3	1	37.30	36	33.21	-117	50.05	6.55	D	3.2
1976 7 19	5	47	30.63	35	26.27	-119	7.96	5.67	C	3.2
1976 7 23	20	53	55.76	33	51.19	-118	9.85	9.42	A	3.0
FELT COMPTON TO LONG BEACH										
1976 7 23	22	38	13.93	31	48.87	-116	15.62	4.93	D	3.2
1976 7 29	6	17	32.15	31	43.40	-116	1.51	5.49	D	3.3
1976 7 31	0	9	59.39	32	1.49	-115	49.25	5.00	D	3.1
1976 7 31	7	21	8.15	31	41.09	-115	38.80	5.10	D	3.0
1976 8 1	6	2	33.44	32	10.10	-115	26.56	5.06	D	3.6
1976 8 1	17	18	47.08	34	55.83	-116	32.51	1.97	B	4.1
1976 8 3	10	12	52.75	32	15.06	-115	27.79	5.27	D	3.4
1976 8 3	11	59	4.65	37	5.16	-115	38.06	1.69	D	3.6
1976 8 8	19	37	51.44	33	52.63	-115	59.99	18.49	C	3.7
1976 8 11	15	24	55.42	33	28.90	-116	30.62	14.81	A	4.3
FELT PALM SPRINGS TO SAN DIEGO										
1976 8 12	3	0	38.83	34	13.21	-116	33.68	6.31	A	3.1
1976 8 15	17	17	20.98	31	49.73	-116	18.74	2.81	D	3.2
1976 8 16	16	37	19.88	36	14.12	-117	31.88	7.67	B	3.5
1976 8 18	1	46	1.28	32	20.95	-115	32.02	5.15	D	3.9
1976 8 18	6	24	47.02	31	57.38	-116	38.44	4.75	D	3.2
1976 8 18	23	16	40.66	35	53.36	-118	3.20	3.84	C	3.1
1976 8 19	20	44	44.11	34	17.32	-117	3.81	14.88	B	3.2
1976 8 20	5	14	2.89	33	27.21	-116	29.26	12.70	A	3.2
1976 8 27	6	21	53.99	35	29.67	-118	26.12	2.00	B	3.0
1976 8 31	0	27	53.10	34	29.78	-118	42.10	18.58	A	3.2
1976 9 12	8	22	42.42	32	3.54	-115	31.29	5.30	D	3.3
1976 9 12	11	35	27.40	36	26.00	-120	20.90	3.50	C	3.0
1976 9 14	23	0	15.88	33	57.83	-116	16.07	0.02	A	3.0
1976 9 16	17	30	34.32	37	26.66	-118	26.84	5.96	D	3.0
1976 9 18	14	16	32.58	31	10.72	-116	55.17	4.26	D	3.9
1976 9 18	17	18	12.65	31	38.77	-115	47.50	1.03	D	3.1
1976 9 19	11	11	42.11	33	27.33	-116	45.21	13.74	A	3.4
1976 9 23	2	46	52.39	36	33.89	-117	50.76	1.67	D	3.4
1976 9 25	7	13	58.70	32	4.30	-116	15.15	5.30	D	3.1
1976 9 25	23	32	53.77	32	21.85	-115	33.99	5.40	D	3.2

DATE	TIME	LAT.	LONG.	DEPTH	Q	MAG.
1976 9 26	1 10 33.87	32 15.20	-115 29.52	5.07	D	3.4
1976 9 30	16 5 47.00	33 28.29	-116 30.88	15.58	B	3.1
1976 10 1	5 58 17.90	32 19.94	-115 9.40	2.28	D	3.1*
1976 10 9	2 9 27.86	33 20.10	-116 13.51	12.36	A	4.2
	FELT	NORTH SAN DIEGO CO.				
1976 10 14	17 25 20.47	35 19.77	-118 30.33	8.15	B	3.2
1976 10 17	5 38 11.32	34 27.73	-118 25.53	15.56	A	3.9
	FELT	L.A. CO.				
1976 10 18	17 26 51.93	32 42.64	-117 57.28	11.43	C	4.3
	FELT	SAN DIEGO, L.A.				
1976 10 19	13 14 22.35	31 54.11	-116 9.94	5.00	D	3.2
1976 10 20	6 53 43.18	37 36.19	-118 9.87	1.97	D	3.2
1976 10 20	10 39 44.26	35 5.14	-117 10.64	2.76	C	3.2
1976 10 20	23 14 56.01	37 35.45	-118 6.11	2.19	D	3.4
1976 10 21	0 40 4.90	37 35.91	-118 30.23	4.47	D	3.1
1976 10 22	19 58 4.23	34 16.64	-116 19.54	4.26	A	3.4
1976 10 22	23 19 13.99	33 27.83	-116 36.54	10.00	A	3.8
1976 10 24	12 50 44.80	36 21.70	-120 43.80	12.40	B	3.0
1976 10 26	1 35 15.58	33 15.42	-115 59.44	0.61	A	3.2
1976 11 2	2 46 5.76	34 5.73	-117 17.61	14.58	A	3.3
	FELT	SAN BERNARDINO				
1976 11 2	5 55 5.40	36 50.57	-116 11.51	0.76	D	3.0*
1976 11 2	18 34 52.54	33 15.80	-115 40.61	14.20	B	3.2
1976 11 4	1 36 41.90	35 20.61	-118 30.69	5.46	B	3.0
1976 11 4	4 6 31.67	33 0.03	-116 7.45	0.07	A	3.4
1976 11 4	4 33 46.38	34 3.17	-116 25.91	4.29	A	3.1
1976 11 4	5 47 9.45	33 8.22	-115 37.63	0.01	A	3.2
1976 11 4	5 48 20.82	33 8.41	-115 36.84	2.40	A	4.0
	FELT	IMPERIAL VALLEY				
1976 11 4	5 51 1.47	33 8.00	-115 37.00	5.00	D*	3.5
1976 11 4	5 58 33.88	33 8.29	-115 36.58	0.90	B	3.1
1976 11 4	6 21 10.67	33 7.46	-115 37.23	1.11	A	3.9
1976 11 4	6 27 35.97	33 8.00	-115 37.00	5.00	D*	3.7
1976 11 4	6 31 2.57	33 8.00	-115 37.00	5.00	D*	3.1
1976 11 4	6 35 3.61	33 7.44	-115 36.61	2.41	A	3.9
	FELT	IMPERIAL VALLEY				
1976 11 4	6 46 52.07	33 6.96	-115 37.50	4.19	B	3.1
1976 11 4	7 56 7.58	33 7.66	-115 37.80	0.49	A	3.5
1976 11 4	10 11 51.44	33 6.83	-115 36.99	1.60	A	4.1
1976 11 4	10 41 37.54	33 7.89	-115 37.40	0.55	A	5.1
	FELT	IMPERIAL VALLEY TO SAN DIEGO				
1976 11 4	11 10 0.90	33 7.39	-115 36.82	2.29	A	3.4
1976 11 4	11 39 9.22	33 6.02	-115 38.37	1.21	A	3.4
	FELT	IMPERIAL VALLEY				
1976 11 4	11 49 40.76	33 6.96	-115 38.44	0.42	A	4.0
	FELT	IMPERIAL VALLEY				
1976 11 4	13 31 27.89	33 6.50	-115 38.62	1.13	A	3.9
	FELT	IMPERIAL VALLEY				

DATE	TIME			LAT.	LONG.	DEPTH	Q	MAG.
1976 11 4	14	12	50.28	33 7.41	-115 37.19	2.71	B	4.4
	FELT			IMPERIAL VALLEY				
1976 11 4	17	15	36.90	33 6.33	-115 39.04	1.95	A	3.4
1976 11 4	18	26	41.77	33 8.00	-115 37.00	5.00	D*	3.0
1976 11 4	18	51	58.43	33 7.45	-115 37.79	0.84	A	3.2
1976 11 4	20	57	41.04	33 7.68	-115 37.10	0.01	A	3.1
1976 11 5	6	20	3.76	32 4.78	-115 25.65	5.00	D	3.0
1976 11 6	20	15	28.71	33 7.16	-116 5.24	0.52	A	3.0
1976 11 10	6	47	58.60	36 3.50	-117 33.83	3.00	C	3.0
1976 11 10	22	13	13.25	33 6.77	-115 39.31	0.02	A	3.2
1976 11 11	3	21	48.44	33 10.33	-115 39.10	1.95	A	3.3
1976 11 15	18	11	17.40	36 23.50	-120 23.50	6.10	C	3.6
1976 11 16	1	40	11.08	31 45.07	-116 7.27	5.02	D	3.9
1976 11 22	17	55	11.49	33 55.97	-118 37.68	9.97	B	4.2
	FELT			L.A. CO.				
1976 11 23	13	23	37.19	32 4.44	-116 49.39	5.70	D	3.2
1976 11 24	10	5	11.90	35 45.70	-121 17.30	7.30	C	3.3
1976 11 27	15	23	43.63	33 31.32	-116 30.00	4.20	A	3.2
	FELT			PALM SPRINGS				
1976 11 28	3	27	12.27	32 33.20	-115 48.41	4.76	A	3.3
1976 12 3	13	21	55.41	32 33.62	-115 48.62	5.19	B	3.2
1976 12 3	13	43	46.76	32 34.30	-115 49.00	5.00	A	3.0
1976 12 3	16	35	58.15	35 3.19	-116 59.49	5.18	C	3.0
1976 12 3	23	42	33.29	32 37.85	-115 47.39	8.86	D	3.3
1976 12 4	0	0	17.15	32 35.85	-115 47.42	5.37	D	3.0
1976 12 4	1	1	47.50	32 11.66	-115 1.93	4.96	D	3.1
1976 12 4	4	41	8.89	35 23.26	-118 38.29	1.98	A	3.6
1976 12 6	13	37	25.72	33 46.37	-115 39.75	4.23	A	3.3
1976 12 7	12	59	51.32	31 40.79	-114 42.47	4.85	D	5.5
	FELT			SAN DIEGO				
1976 12 7	13	8	0.59	31 41.00	-115 42.00	5.00	D*	3.4*
1976 12 8	2	13	44.04	34 28.16	-118 25.48	12.97	A	3.0
	FELT			SAN FERNANDO				
1976 12 8	6	7	55.01	32 33.40	-115 48.53	4.67	B	3.0
1976 12 18	17	43	59.71	33 13.89	-115 39.71	0.01	A	3.3
1976 12 18	19	55	57.40	35 57.60	-120 32.80	5.90	B	3.6
1976 12 19	11	42	2.71	33 13.14	-116 3.92	2.58	A	3.3
1976 12 21	2	32	0.70	35 45.80	-121 16.50	4.90	C	3.4
1976 12 22	15	13	8.41	36 9.22	-117 54.41	3.52	D	3.0
1976 12 24	23	18	41.83	32 47.73	-115 32.90	5.38	A	3.3
1976 12 25	10	19	47.00	31 55.49	-115 55.17	4.61	D	3.0

DATE	TIME		LAT.	LONG.	DEPTH	Q	MAG.
1977 3 25	15 43	58.74	32 57.60	-115 29.79	4.63	A	3.2
		FELT BRAWLEY					
1977 3 26	7 8	19.23	32 39.91	-115 39.35	8.41	A	3.2
1977 3 26	14 35	13.64	37 7.20	-118 12.51	5.17	D	3.1
1977 3 31	0 33	30.75	31 55.33	-115 53.43	5.16	D	3.1
1977 3 31	13 30	29.09	33 23.89	-116 58.37	11.63	A	3.2
		FELT ESCONDIDO					
1977 4 3	2 46	5.01	31 46.49	-116 2.52	5.02	D	3.7
1977 4 5	1 52	13.71	32 14.84	-115 2.80	5.42	D	3.7
1977 4 6	6 1	2.86	33 28.28	-116 28.69	11.89	A	3.5
1977 4 8	6 45	31.28	37 27.29	-116 5.88	4.82	D	3.3
		FELT COACHELLA VALLEY					
1977 4 9	19 16	27.38	33 4.77	-115 33.89	5.61	A	3.1
1977 4 18	5 31	59.78	32 59.08	-115 44.58	4.58	A	3.3
1977 4 18	5 38	7.68	32 59.14	-115 44.60	4.16	A	3.0
1977 4 18	22 54	50.28	32 11.51	-115 53.64	6.42	D	3.2
1977 4 20	14 37	37.14	32 40.52	-115 39.53	8.41	A	3.0
1977 4 22	18 1	25.45	33 21.78	-116 21.61	14.53	A	3.0
1977 4 25	10 45	49.51	33 12.80	-116 2.83	3.73	B	3.2
1977 4 26	9 54	2.58	34 13.44	-116 34.64	5.00	C	3.0
1977 4 28	15 35	33.22	33 18.54	-115 41.09	3.29	A	3.1
1977 5 12	23 44	59.19	33 46.96	-115 57.56	5.00	C	3.1
1977 5 12	23 46	5.12	33 46.46	-115 57.04	0.34	B	3.5
1977 5 21	0 28	22.98	37 26.81	-118 42.52	4.93	D	3.3
1977 5 21	23 17	55.02	34 5.36	-117 18.91	16.57	A	3.0
1977 5 29	10 50	19.46	31 53.36	-116 19.53	5.06	D	3.5
1977 5 29	11 41	44.20	31 45.28	-116 0.41	5.25	D	3.2
1977 6 4	17 11	20.76	37 15.06	-115 34.40	4.89	D	3.9
1977 6 5	14 8	30.13	36 39.40	-116 3.69	5.00	D	3.6
1977 6 7	6 41	36.12	32 19.61	-115 9.61	5.00	D	3.0
1977 6 11	7 37	2.34	32 10.12	-116 10.10	5.00	C	4.0
1977 6 11	14 18	20.30	34 22.52	-118 36.98	10.11	A	3.2
		FELT NEWHALL					
1977 6 17	18 42	47.33	32 0.94	-117 19.72	12.44	D	3.6
		FELT SAN DIEGO					
1977 6 23	7 13	51.72	33 14.74	-115 58.14	5.00	C	3.3
1977 7 7	14 20	54.51	36 9.32	-120 45.55	6.00	C	3.2
1977 7 8	9 49	47.98	35 55.06	-120 28.40	6.00	C	3.1
1977 7 9	3 59	8.71	36 1.46	-117 48.53	5.00	D	3.0
1977 7 11	6 13	45.05	35 47.79	-116 34.54	5.00	D	3.6
1977 7 11	11 42	10.92	35 44.74	-116 40.60	8.64	D	3.2
1977 7 12	18 55	12.25	33 22.50	-118 24.18	5.00	C	3.0
1977 7 13	8 12	48.55	33 59.93	-116 49.83	10.45	A	3.0
1977 7 17	23 9	49.58	33 12.42	-116 1.74	5.00	C	3.3
1977 7 26	21 42	16.40	35 54.54	-120 28.47	6.00	C	3.7
1977 7 28	6 15	28.85	34 15.15	-120 41.18	4.95	D	3.3
1977 7 30	10 25	3.54	32 52.41	-115 45.10	4.42	A	3.2
1977 8 3	0 47	12.21	34 32.40	-120 51.25	4.93	D	3.5

FELT BRAWLEY

DATE	TIME		LAT.	LONG.	DEPTH	Q	MAG.
1977 10 20	19 06	16.88	32 53.03	-115 29.88	4.19	A	3.5
		FELT BRAWLEY					
1977 10 20	20 22	22.73	32 54.02	-115 29.90	4.89	A	3.8
		FELT BRAWLEY					
1977 10 21	0 9	39.38	32 54.55	-115 30.32	5.82	C	3.3
		FELT BRAWLEY					
1977 10 21	6 12	35.99	32 53.75	-115 30.31	4.91	A	4.1
		FELT BRAWLEY					
1977 10 21	9 43	18.59	32 54.64	-115 30.34	4.72	D	3.1
1977 10 21	13 24	24.49	32 53.87	-115 30.40	4.36	A	4.0
		FELT BRAWLEY					
1977 10 21	18 11	58.17	32 53.66	-115 30.49	5.49	C	3.0
		FELT BRAWLEY					
1977 10 22	4 59	17.32	34 22.83	-117 3.15	1.64	A	3.6
		FELT LUCERNE VALLEY, BIG BEAR					
1977 10 22	9 5	59.71	32 53.27	-115 30.77	5.00	A	3.0
1977 10 22	18 30	42.35	32 54.23	-115 30.03	4.38	A	3.8
1977 10 24	20 43	28.71	32 49.02	-115 27.93	5.71	A	3.0
1977 10 26	11 3	54.13	32 53.72	-115 30.09	4.42	A	3.3
1977 10 27	12 22	32.92	31 35.16	-115 36.24	4.54	D	3.0
1977 10 28	19 32	25.65	32 53.67	-115 30.74	11.75	A	3.0
1977 10 28	21 24	52.54	32 52.99	-115 30.42	4.73	A	3.9
		FELT BRAWLEY					
1977 10 28	21 31	36.25	32 52.88	-115 30.58	4.16	A	3.0
1977 10 28	23 44	29.24	35 20.56	-117 55.76	5.02	C	3.2
1977 10 29	0 41	55.83	32 52.79	-115 30.46	4.48	A	3.0
1977 10 30	5 30	13.91	32 53.56	-115 30.29	4.87	A	4.0
		FELT EL CENTRO					
1977 10 30	6 13	33.27	32 52.38	-115 29.72	3.58	A	3.2
1977 11 2	15 30	24.89	33 30.41	-115 52.71	2.31	A	3.4
1977 11 8	10 52	27.17	33 53.72	-117 54.60	9.71	A	3.3
		FELT LA HABRA, PLACENTIA					
1977 11 10	2 35	23.56	36 8.08	-117 54.04	5.00	C	3.5
1977 11 12	11 55	57.63	34 50.22	-117 24.95	5.00	C	3.1*
1977 11 13	16 25	20.00	32 50.06	-115 28.99	3.86	A	3.0
		FELT EL CENTRO					
1977 11 14	0 11	36.04	32 49.89	-115 28.78	4.36	A	3.7
		FELT IMPERIAL VALLEY					
1977 11 14	0 33	31.28	32 50.05	-115 29.06	3.16	B	3.2
		FELT EL CENTRO					
1977 11 14	2 5	48.27	32 49.79	-115 28.68	3.90	A	4.1
		FELT IMPERIAL VALLEY TO YUMA					
1977 11 14	2 10	18.83	32 50.15	-115 28.64	4.27	A	3.3
		FELT EL CENTRO					
1977 11 14	2 32	15.00	32 49.37	-115 28.24	3.57	B	3.1
		FELT EL CENTRO					
1977 11 14	3 19	7.63	32 50.10	-115 28.96	4.28	A	3.0
		FELT EL CENTRO					

DATE	TIME		LAT.	LONG.	DEPTH	Q	MAG.
1977 11 14	4 49	56.79	32 50.01	-115 28.19	4.30	A	3.1
		FELT	EL CENTRO				
1977 11 14	5 5	21.02	32 49.94	-115 28.26	5.53	C	3.6
		FELT	IMPERIAL VALLEY				
1977 11 14	5 13	45.58	32 49.97	-115 28.35	4.19	A	3.2
		FELT	EL CENTRO				
1977 11 14	5 18	2.86	32 50.92	-115 28.52	4.21	A	3.6
		FELT	EL CENTRO				
1977 11 14	5 23	36.78	32 49.96	-115 29.03	2.48	A	3.6
		FELT	IMPERIAL VALLEY				
1977 11 14	5 30	40.54	32 50.26	-115 28.34	4.20	A	3.4
		FELT	EL CENTRO				
1977 11 14	5 36	55.79	32 50.09	-115 28.84	4.03	A	4.0
		FELT	IMPERIAL VALLEY TO YUMA				
1977 11 14	6 45	46.86	32 50.16	-115 27.50	4.75	B	3.1
1977 11 14	10 23	6.87	32 46.73	-115 29.04	0.47	C	3.2
		FELT	EL CENTRO				
1977 11 14	12 20	19.95	32 49.34	-115 28.04	4.76	A	4.2
		FELT	IMPERIAL VALLEY TO YUMA				
1977 11 14	16 10	33.87	32 49.57	-115 28.09	3.87	A	3.1
		FELT	EL CENTRO				
1977 11 14	16 18	53.08	32 49.88	-115 28.11	3.23	B	3.2
		FELT	EL CENTRO				
1977 11 15	19 13	17.19	32 50.75	-115 28.93	4.37	A	3.4
		FELT	IMPERIAL VALLEY				
1977 11 17	0 35	23.70	36 2.23	-117 47.57	5.16	D	3.0
1977 11 25	15 32	3.23	33 47.42	-116 0.20	3.11	A	3.2
1977 11 25	21 56	58.01	34 18.39	-116 19.68	1.63	A	3.3
1977 11 27	13 33	23.57	31 53.48	-115 53.71	5.11	D	3.7
1977 11 28	18 57	45.36	33 26.47	-116 24.45	8.85	A	3.0
1977 11 29	16 42	2.58	35 55.56	-120 29.68	9.67	B	3.9
		FELT	SAN LUIS OBISPO				
1977 11 29	18 22	8.13	35 55.52	-120 29.59	9.04	B	3.3
1977 12 7	19 53	42.88	31 39.43	-115 50.71	6.80	D	3.2
1977 12 8	3 36	23.24	36 3.95	-117 48.83	0.99	D	3.0
1977 12 11	4 56	23.04	32 36.26	-115 18.06	5.00	C	3.0
1977 12 11	5 57	2.04	32 34.41	-115 18.40	5.00	C	3.5
1977 12 16	10 41	48.03	35 55.87	-120 29.95	10.48	B	3.5
1977 12 18	15 13	24.56	31 52.14	-116 12.82	5.00	D	3.0*
1977 12 21	22 59	40.49	31 46.34	-115 58.96	7.87	D	3.0
1977 12 23	3 21	22.08	32 49.87	-115 35.89	2.85	A	3.0
1977 12 26	18 36	8.17	33 59.66	-116 50.54	11.23	A	3.1
1977 12 26	18 58	5.46	32 34.44	-118 5.24	4.70	D	3.0
1977 12 28	1 38	46.89	31 47.11	-116 1.45	5.00	D	3.2
1977 12 28	2 59	38.53	35 48.01	-120 21.96	4.89	A	3.9
		FELT	SAN LUIS OBISPO				
1977 12 28	12 21	3.83	35 47.60	-120 21.44	3.91	B	3.1
1977 12 29	7 19	50.21	33 15.72	-115 59.44	1.00	C	3.1

DATE	TIME				LAT.	LONG.	DEPTH	Q	MAG.
1978	1	5	10	52	20.86	36 14.68 -117 55.22	5.00	C	3.4
					FELT				
1978	1	6	6	11	40.91	36 19.98 -118 22.54	0.90	D	3.1
1978	1	7	10	17	4.00	31 58.08 -116 36.35	6.61	D	3.0
1978	1	7	15	33	5.69	31 54.91 -116 37.32	5.03	D	3.1
1978	1	15	9	47	2.03	35 48.85 -118 2.65	1.00	C	3.5
1978	1	15	12	29	2.04	37 30.29 -118 59.81	5.95	D	3.7
1978	1	17	19	58	51.38	32 1.60 -115 49.16	5.17	D	3.0
1978	1	24	8	13	21.22	33 15.96 -115 59.47	0.03	A	3.1
1978	1	27	16	50	48.37	33 13.92 -119 4.09	5.00	C	3.0
1978	1	29	2	56	8.95	34 2.08 -115 37.44	4.36	A	3.3
1978	2	2	14	8	44.17	32 58.26 -115 50.73	3.86	A	3.0
1978	2	5	9	53	40.93	34 18.61 -116 43.06	0.05	A	3.8
1978	2	5	22	58	36.59	36 5.20 -119 57.69	6.00	D	3.0*
1978	2	6	0	39	25.51	34 2.26 -116 46.22	15.76	A	3.2
					FELT	PALM SPRINGS			
1978	2	6	1	1	28.58	34 2.23 -116 46.25	16.26	A	3.3
					FELT	PALM SPRINGS			
1978	2	6	12	57	13.84	33 14.35 -115 34.34	1.18	A	3.5
					FELT	BRAWLEY			
1978	2	16	5	11	32.66	32 3.27 -116 16.98	5.12	D	3.2
1978	2	16	10	54	35.26	33 25.55 -116 23.85	5.00	C	3.0
1978	2	23	16	43	3.96	32 50.13 -115 35.46	9.76	A	3.5
1978	3	1	4	54	31.25	34 31.59 -116 46.71	5.00	C	4.2
					FELT	SAN BERNARDINO CO.			
1978	3	7	15	28	31.95	36 6.50 -117 37.12	0.82	C	3.4
1978	3	8	14	49	34.78	33 49.44 -117 52.80	5.00	C	3.1
					FELT	ORANGE CO.			
1978	3	8	17	14	58.56	31 38.66 -115 46.90	5.02	D	3.1
1978	3	10	20	34	35.59	32 20.45 -115 4.83	5.00	D	3.3
1978	3	11	0	22	25.24	32 20.45 -115 6.64	4.99	C	3.0
1978	3	11	5	17	12.29	32 19.95 -115 6.54	5.00	C	3.2
1978	3	11	5	18	5.83	32 15.41 -115 8.39	5.06	D	3.0
1978	3	11	5	18	37.21	32 19.23 -115 6.83	5.00	D	3.4
1978	3	11	5	40	31.51	32 18.98 -115 6.34	5.00	C	3.6
1978	3	11	21	16	48.24	32 22.34 -115 6.02	5.00	D	3.0
1978	3	11	21	52	31.87	32 23.13 -115 7.05	5.95	D	3.0
1978	3	11	23	57	47.28	32 18.48 -115 6.45	5.00	D	4.9
					FELT	YUMA			
1978	3	12	0	1	51.41	32 19.00 -115 6.00	5.00	D*	3.3*
1978	3	12	0	30	18.27	32 20.70 -115 7.73	4.98	C	4.5
					FELT	YUMA			
1978	3	12	11	59	45.33	32 19.00 -115 6.00	5.00	D*	3.5
1978	3	12	18	42	25.00	32 18.41 -115 6.60	5.00	C	4.8
					FELT	YUMA			
1978	3	12	20	5	28.98	32 20.99 -115 6.40	5.00	D	3.2
1978	3	12	22	1	32.50	32 20.89 -115 7.00	5.00	C	3.2

DATE		TIME		LAT.	LONG.	DEPTH	Q	MAG.
1978	3	12	23 10	13.29	32 20.17 -115 8.32	5.01	C	3.7
1978	3	13	2 7	28.49	31 56.77 -115 54.75	5.14	D	3.1
1978	3	13	7 55	29.22	32 19.95 -115 6.37	5.00	D	3.0
1978	3	13	9 11	37.52	32 18.13 -115 5.54	5.01	D	3.6
1978	3	13	11 17	35.65	32 22.83 -115 6.34	5.00	D	3.0
1978	3	13	16 38	15.42	33 55.67 -117 58.88	4.56	B	3.4
				FELT L.A., ORANGE CO.				
1978	3	14	3 52	33.70	32 20.48 -115 6.05	5.00	C	3.3
1978	3	14	4 4	20.12	32 20.87 -115 5.98	5.00	D	3.0
1978	3	14	23 59	55.00	34 0.11 -118 41.49	11.95	A	3.2
1978	3	15	20 13	18.27	32 21.79 -115 6.91	5.01	C	3.3
1978	3	16	1 51	10.37	32 19.60 -115 6.78	4.99	C	4.1
1978	3	16	19 0	32.47	31 53.71 -115 52.54	8.38	D	3.3
1978	3	18	4 40	21.37	32 21.10 -115 6.51	4.94	D	3.6
1978	3	18	8 20	36.36	35 19.43 -118 31.42	4.97	D	3.4
1978	3	18	11 38	1.80	32 19.29 -115 9.59	5.95	D	3.0
1978	3	19	4 53	5.60	32 21.57 -115 7.58	5.00	C	3.3
1978	3	27	10 36	12.39	32 20.25 -115 6.34	5.09	D	3.3
1978	4	1	10 52	27.26	34 11.90 -116 57.98	10.53	A	4.0
				FELT PALM SPRINGS, REDLANDS				
1978	4	3	13 46	58.25	33 22.20 -119 4.65	5.00	C	3.0
1978	4	5	7 40	37.48	31 55.38 -115 52.28	3.94	D	3.2
1978	4	7	22 59	14.79	32 22.75 -115 7.42	6.00	D	3.2
1978	4	7	22 59	37.69	32 19.25 -115 4.82	5.01	D	3.4
1978	4	11	7 46	30.24	32 35.35 -115 49.48	14.55	B	3.2
1978	4	11	10 1	5.22	35 16.95 -116 50.55	5.09	B	3.6
				FELT GOLDSTONE TRACKING STATION				
1978	4	14	11 10	17.68	31 37.60 -115 43.87	5.60	D	3.2
1978	4	14	21 8	21.00	32 15.18 -115 40.64	14.14	C	3.2
1978	4	15	12 38	18.55	34 21.67 -118 40.36	14.75	A	3.1
1978	4	18	22 42	35.95	33 52.03 -117 32.61	3.89	A	3.1
				FELT CORONA, RIVERSIDE				
1978	4	18	22 43	41.09	31 59.65 -117 9.78	5.32	D	3.0
1978	4	22	13 4	27.83	34 3.61 -118 58.55	13.49	B	3.1
				FELT MALIBU, PT. DUME				
1978	4	22	18 28	7.94	31 47.43 -116 2.76	5.10	D	3.1
1978	4	25	22 6	31.77	33 58.86 -116 56.17	23.58	A	3.4
1978	4	29	3 32	11.73	33 49.69 -117 43.77	7.32	C	3.3
				FELT VILLA PARK				
1978	4	29	4 3	46.18	34 13.62 -116 33.69	6.20	A	3.8
				FELT BIG BEAR				
1978	5	1	8 2	54.01	34 21.29 -119 57.39	0.73	B	3.5
				FELT SANTA BARBARA, GOLETA				
1978	5	2	6 17	29.07	32 51.09 -115 25.61	3.22	A	3.1
1978	5	5	21 3	16.15	32 15.60 -115 17.71	5.00	C	5.2
				FELT SAN DIEGO TO YUMA				
1978	5	5	21 44	28.62	32 16.24 -115 16.26	5.00	C	3.7
1978	5	5	22 4	21.96	32 17.05 -115 16.89	5.00	D	3.1

DATE	TIME				LAT.	LONG.		DEPTH	Q	MAG.
1978	5	5	22	42	9.45	32	18.66 -115 18.72	5.00	C	4.2
1978	5	6	10	14	15.08	37	27.33 -118 35.48	5.52	C	3.3
1978	5	7	2	41	40.55	32	18.06 -115 18.55	5.00	D	4.2
1978	5	9	1	10	7.89	31	1.91 -117 0.95	5.30	D	4.0
1978	5	10	12	55	10.61	32	17.38 -115 17.08	5.00	C	3.0
1978	5	13	23	19	32.84	32	17.85 -115 17.47	5.00	D	3.2
1978	5	23	5	1	13.59	32	26.25 -115 13.64	4.86	C	3.2
1978	5	23	9	16	50.75	33	54.40 -119 9.94	5.00	C	4.0
FELT VENTURA TO SOUTH BAY										
1978	5	23	20	14	10.71	33	55.52 -119 8.74	5.00	C	3.1
1978	5	25	3	13	57.71	31	41.00 -115 56.23	5.04	D	3.8
1978	5	25	6	43	5.84	34	9.09 -116 42.98	10.02	A	3.4
1978	6	3	19	25	51.16	32	20.52 -115 6.77	5.01	C	3.0
1978	6	4	3	57	17.16	33	55.12 -117 50.21	12.99	A	3.7
FELT POMONA TO LONG BEACH										
1978	6	5	16	3	3.72	33	25.21 -116 41.61	14.92	A	4.4
FELT SAN DIEGO TO PALM SPRINGS										
1978	6	8	23	48	51.80	35	51.75 -117 22.78	1.21	B	3.4
1978	6	14	19	44	33.19	33	30.08 -116 45.94	18.69	A	3.0
1978	6	16	4	21	31.68	35	1.84 -119 7.55	1.13	B	4.2
FELT SANTA BARBARA TO KERN CO.										
1978	6	18	14	29	28.32	32	17.51 -115 12.48	4.89	D	3.6
1978	6	18	14	30	33.01	32	17.68 -115 7.20	4.97	D	3.3*
1978	6	19	7	41	31.77	34	36.80 -117 45.20	5.23	A	3.0
1978	6	21	19	26	5.05	35	16.80 -118 34.08	4.47	A	3.0
1978	6	26	1	44	10.84	31	46.37 -115 59.82	4.98	D	3.6
1978	6	28	23	48	44.53	34	29.94 -118 41.25	18.20	A	3.0
1978	6	30	15	33	13.23	32	22.92 -115 19.29	5.00	D	3.7
1978	7	3	8	15	4.05	33	52.03 -120 4.66	5.03	D	3.0
1978	7	5	10	47	55.59	33	52.82 -116 30.32	0.36	A	3.7
FELT PALM SPRINGS										
1978	7	10	2	55	25.45	35	51.23 -118 5.63	5.76	C	3.0
1978	7	11	19	5	48.12	35	0.62 -119 8.06	4.99	D	3.1
1978	7	12	18	48	20.91	31	46.38 -115 59.45	5.02	D	3.0
1978	7	16	3	51	27.07	31	33.89 -116 52.32	4.93	D	3.3
1978	7	17	14	46	12.98	35	31.77 -116 16.16	5.05	D	3.9
1978	7	20	16	45	38.64	32	5.27 -115 35.85	4.60	D	3.6
1978	7	20	23	25	57.37	35	58.02 -117 45.15	5.46	D	3.1
1978	7	23	7	25	33.24	34	35.96 -120 46.31	5.00	D	3.1
1978	7	26	0	38	53.62	34	21.17 -116 54.75	5.87	A	3.6
FELT BIG BEAR, SAN BERNARDINO										
1978	7	26	2	4	19.26	31	55.87 -116 19.51	5.05	D	3.1
1978	7	31	15	2	27.21	35	5.15 -119 8.59	6.00	C	3.0
1978	8	2	6	31	13.24	33	0.79 -115 50.23	2.66	A	3.1
1978	8	2	7	47	9.10	32	18.53 -115 5.70	5.08	D	3.1
1978	8	3	4	30	42.06	33	40.42 -116 41.59	15.81	A	3.1
FELT IDYLLWILD, PALM SPRINGS										
1978	8	3	21	11	37.76	36	16.69 -118 18.85	0.73	C	3.1

DATE	TIME	LAT.	LONG.	DEPTH	Q	MAG.
1978 8 11	0 47	30.13 34	9.47 -117 26.59	3.99	A	3.9
		FELT RIVERSIDE TO PASADENA				
1978 8 13	22 54	53.55 34	20.89 -119 42.34	5.59	C	5.1
		FELT SAN LUIS OBISPO TO L.A.				
		DAMAGE IN SANTA BARBARA, GOLETA				
1978 8 13	23 11	2.85 34	22.75 -119 45.55	6.69	B	3.4
		FELT SANTA BARBARA				
1978 8 13	23 15	3.61 34	22.70 -119 45.72	5.15	A	3.1
		FELT SANTA BARBARA				
1978 8 13	23 23	54.92 34	22.67 -119 43.77	7.84	D	3.2
		FELT SANTA BARBARA				
1978 8 14	1 2	36.22 34	22.48 -119 42.59	10.14	A	3.0
		FELT SANTA BARBARA				
1978 8 14	16 9	46.31 36	4.55 -117 53.10	5.00	A	3.3
1978 8 15	0 23	51.09 32	50.43 -115 28.70	5.27	A	3.0
1978 8 15	1 23	45.23 35	5.95 -119 5.43	6.00	C	3.1
1978 8 16	13 35	12.65 34	22.94 -119 47.42	4.96	B	3.3
		FELT SANTA BARBARA				
1978 8 19	9 31	6.40 32	21.79 -116 52.59	6.00	D	4.0
		FELT SAN DIEGO CO.				
1978 8 20	20 15	47.08 34	22.30 -119 45.15	7.26	B	3.1
1978 8 24	19 8	32.70 35	4.50 -117 30.36	5.00	C	3.1
1978 8 26	6 11	52.37 31	45.03 -116 1.23	5.30	D	3.0
1978 8 29	15 43	46.35 33	10.93 -116 23.94	14.33	A	3.2
1978 8 29	18 2	14.79 31	32.34 -115 32.60	4.94	D	4.0
1978 9 3	18 10	46.30 33	57.04 -117 43.35	9.15	A	3.5
		FELT SAN BERNARDINO, ORANGE, L.A. CO.				
1978 9 10	5 59	38.89 32	14.68 -115 17.21	5.00	D	3.0*
1978 9 12	11 57	55.44 34	24.27 -119 45.51	11.77	B	3.5
		FELT SANTA BARBARA, GOLETA				
1978 9 20	9 53	24.63 37	31.89 -118 23.32	5.00	D	3.6
1978 9 24	2 4	27.55 34	23.39 -119 44.58	4.68	A	3.5
		FELT SANTA BARBARA				
1978 9 28	23 14	53.49 32	57.87 -116 15.29	6.00	C	3.9
1978 10 4	16 42	48.57 37	30.59 -118 41.57	5.00	C	5.7
		FELT STANISLAUS TO L.A. CO.				
1978 10 4	16 57	4.95 37	24.47 -118 46.60	5.00	D	3.1
1978 10 4	16 59	4.31 37	31.73 -118 40.71	5.04	D	4.4
1978 10 4	17 7	33.98 37	30.05 -118 42.58	5.06	D	3.4
1978 10 4	17 31	31.29 37	31.14 -118 40.60	6.73	C	4.3
1978 10 4	17 33	4.88 37	29.73 -118 39.32	6.00	D	3.9
1978 10 4	17 39	3.39 37	32.10 -118 41.00	5.64	C	5.3
		FELT BISHOP				
1978 10 4	17 43	47.18 37	30.79 -118 40.88	11.05	C	3.9
1978 10 4	17 46	47.32 37	30.93 -118 41.39	5.06	D	4.3
1978 10 4	17 49	28.62 37	31.82 -118 41.57	8.54	D	3.5
1978 10 4	17 54	10.87 37	31.41 -118 40.55	5.05	D	3.3
1978 10 4	18 1	53.76 37	29.98 -118 41.94	4.88	D	4.1

DATE	TIME	LAT.	LONG.	DEPTH	Q	MAG.
1978 11 19	0 9	41.65	36 24.42 -118 12.76	5.60	D	3.1
1978 11 19	2 12	12.09	35 52.20 -119 54.28	6.00	D	3.1
1978 11 19	17 40	56.74	33 50.78 -118 11.29	11.12	A	3.0
		FELT	NORTH LONG BEACH AREA			
1978 11 20	6 55	9.07	34 9.35 -116 58.70	15.13	A	4.3
		FELT	ANAHEIM TO PALM SPRINGS			
1978 11 20	6 58	44.68	34 9.02 -116 58.81	15.20	A	3.5
1978 11 20	21 21	49.04	34 9.23 -116 58.40	12.75	A	3.5
		FELT	BIG BEAR LAKE			
1978 11 20	22 40	0.25	32 1.61 -116 14.12	5.29	D	3.0
1978 11 23	11 7	50.59	35 57.69 -117 58.11	0.73	B	3.2
1978 11 25	3 24	55.12	37 30.80 -118 41.43	7.02	C	3.6
1978 11 25	4 6	41.42	37 31.13 -118 41.32	6.00	C	3.5
1978 11 25	23 45	44.96	32 16.73 -115 17.14	5.00	D	3.2
1978 11 28	16 54	58.94	35 4.52 -117 30.45	4.99	C	3.0
1978 11 29	8 34	8.00	37 9.27 -116 25.54	0.11	D	3.3
1978 12 1	2 29	41.16	33 29.09 -116 27.02	14.91	A	3.0
1978 12 1	17 7	26.00	37 11.80 -115 39.21	4.99	D	3.8
1978 12 1	23 20	46.33	33 55.78 -116 40.58	15.02	A	3.6
		FELT	PALM SPRINGS			
1978 12 6	10 3	49.23	34 23.27 -119 44.98	4.54	B	3.2
		FELT	SANTA BARBARA			
1978 12 14	8 55	20.26	34 24.71 -119 30.62	15.42	B	3.2
		FELT	CARPENTERIA			
1978 12 15	3 36	57.99	33 53.52 -116 10.40	3.94	A	3.3
1978 12 15	12 27	57.82	33 53.58 -116 10.31	3.95	A	3.4
1978 12 29	4 26	42.61	37 14.98 -118 18.47	2.42	C	3.2
1978 12 29	18 30	39.01	32 15.11 -117 30.82	5.19	D	3.0
1978 12 31	12 6	37.87	38 3.57 -118 53.40	5.00	D	3.0

DATE			TIME		LAT.	LONG.	DEPTH	Q	MAG.
1979	1	1	17 12	4.72	33 30.75	-116 31.37	14.92	A	3.3
1979	1	1	20 38	17.98	34 55.87	-119 9.03	0.73	B	3.1
1979	1	1	23 14	38.95	33 56.96	-118 40.76	10.59	A	4.8
					FELT L.A., VENTURA CO.				
1979	1	1	23 21	35.82	33 56.97	-118 42.35	11.04	A	3.0
1979	1	1	23 22	13.97	33 54.75	-118 42.70	13.44	A	3.4
					FELT MALIBU				
1979	1	1	23 24	57.89	33 58.05	-118 39.78	8.45	B	3.0
1979	1	1	23 29	25.13	33 56.77	-118 40.70	6.59	D	3.8
					FELT PASADENA, MONROVIA				
1979	1	1	23 32	11.71	33 55.82	-118 42.15	13.55	D	3.0
1979	1	1	23 36	29.13	33 57.21	-118 41.50	15.17	D	3.0
1979	1	1	23 49	58.64	33 56.19	-118 41.39	13.56	A	3.6
					FELT MALIBU				
1979	1	2	7 41	13.95	33 56.88	-118 43.23	11.49	A	3.5
					FELT MALIBU, SAN FERNANDO VALLEY				
1979	1	2	12 26	56.13	31 46.93	-116 1.82	5.90	D	3.1
1979	1	2	18 16	31.31	33 56.64	-118 42.59	14.91	B	3.3
					FELT MALIBU				
1979	1	3	13 36	50.32	34 56.49	-119 9.56	0.00	A	3.3
1979	1	3	20 0	43.24	34 59.30	-119 7.45	1.53	B	3.4
					FELT BAKERSFIELD				
1979	1	4	11 29	11.65	31 33.69	-115 49.30	3.77	D	3.1*
1979	1	7	11 37	32.55	36 5.90	-120 12.43	6.00	D	3.8
1979	1	10	21 17	31.21	31 55.74	-116 14.45	5.33	D	3.3
1979	1	11	10 1	58.14	32 18.99	-115 30.92	10.23	D	3.7
1979	1	12	11 47	14.88	33 30.25	-116 29.96	13.23	A	3.1
1979	1	13	9 29	27.01	35 44.20	-118 3.67	5.00	C	3.0
1979	1	15	12 41	17.90	33 56.90	-118 42.96	13.08	A	3.5
					FELT MALIBU, L.A. AREA				
1979	1	16	4 50	29.86	32 13.30	-115 28.88	5.09	D	3.1
1979	1	16	4 50	45.95	32 12.77	-115 30.28	5.40	D	3.2
1979	1	19	18 10	42.04	37 32.82	-118 39.94	5.03	D	4.3
1979	1	21	16 11	36.08	34 39.34	-117 44.62	6.08	A	3.1
1979	1	22	18 6	25.34	36 50.45	-115 11.89	5.00	D	3.2*
1979	1	23	7 25	7.79	34 29.94	-116 20.44	6.18	B	3.2
1979	1	23	15 51	47.82	32 15.22	-115 30.13	5.04	D	3.2*
1979	1	24	21 14	27.17	37 30.64	-118 36.02	3.83	C	4.4
					FELT MAMMOTH LAKES				
1979	2	4	15 55	54.58	33 59.49	-119 11.47	3.52	B	3.4
1979	2	5	2 13	59.64	37 33.54	-118 46.36	5.00	D	3.4*
1979	2	5	2 14	9.88	37 32.56	-118 48.14	7.33	C	3.8
1979	2	5	8 42	23.75	37 33.12	-118 47.91	5.69	D	3.2
1979	2	5	12 7	13.08	32 28.41	-116 16.11	0.73	C	3.6
1979	2	7	4 20	16.55	37 26.65	-118 51.91	6.47	D	3.8
1979	2	10	2 0	6.14	32 5.16	-115 26.66	4.99	D	3.1
1979	2	12	4 48	42.26	33 27.21	-116 25.44	4.50	A	4.3
					FELT COACHELLA VALLEY TO SAN DIEGO				

DATE	TIME				LAT.	LONG.		DEPTH	Q	MAG.
1979	2	12	4	55	16.10	33	27.46 -116	25.92	4.16	A 3.0
1979	2	13	16	26	42.75	37	32.48 -118	48.10	4.60	D 3.2
1979	2	15	3	5	16.13	34	15.54 -119	42.56	0.80	B 3.4
					FELT SANTA BARBARA					
1979	2	15	3	19	32.30	34	14.93 -119	42.77	0.65	B 3.4
					FELT SANTA BARBARA					
1979	2	20	12	3	10.82	32	3.29 -115	27.15	5.22	D 3.1*
1979	2	27	13	10	8.83	31	45.09 -115	46.80	5.03	D 4.1
1979	2	27	15	36	31.05	36	9.26 -120	2.57	6.00	D 3.1
1979	2	27	19	26	3.49	31	42.29 -115	46.87	4.89	D 4.5
1979	3	1	21	17	55.92	31	39.20 -115	38.82	6.30	D 4.4
1979	3	4	6	24	42.74	34	42.62 -121	8.99	6.00	C 3.7
1979	3	4	18	37	47.72	31	55.38 -116	8.79	5.09	D 4.1
1979	3	4	19	8	26.69	31	55.40 -116	8.69	5.00	D 3.2
1979	3	5	10	49	30.85	33	57.11 -118	43.33	14.29	A 3.4
					FELT MALIBU, L.A. BASIN					
1979	3	8	10	40	51.56	33	20.07 -116	49.91	6.58	A 3.2
1979	3	8	12	57	55.64	34	15.89 -116	27.22	6.01	A 3.0
1979	3	8	18	25	27.87	37	11.78 -118	28.27	8.41	D 3.1
1979	3	8	23	37	49.10	34	1.66 -117	2.50	18.60	A 3.0
1979	3	9	14	11	56.86	35	55.35 -119	29.37	6.00	C 3.0
1979	3	9	21	3	3.50	31	54.67 -115	55.87	4.96	D 3.4
1979	3	10	0	56	36.95	35	49.84 -116	34.19	6.00	D 3.0
1979	3	11	7	14	4.91	34	0.94 -116	43.76	17.79	A 3.4
1979	3	12	14	8	14.68	37	32.22 -118	40.59	6.48	C 3.6
1979	3	13	16	20	33.97	32	15.44 -115	18.53	5.00	C 3.3
1979	3	15	20	17	49.33	34	18.31 -116	26.32	0.15	A 5.0
					FELT BAKER TO SAN DIEGO					
1979	3	15	20	34	54.33	34	19.69 -116	26.93	0.13	A 3.0
1979	3	15	21	7	16.47	34	19.48 -116	26.62	0.60	A 5.3
					FELT LAS VEGAS TO SAN DIEGO					
1979	3	15	21	34	25.54	34	20.82 -116	26.90	0.05	A 4.5
					FELT L.A. BASIN					
1979	3	15	21	44	50.00	34	18.93 -116	25.61	0.40	A 3.1
1979	3	15	23	7	58.00	34	20.15 -116	26.38	1.69	A 4.9
					FELT L.A. BASIN					
1979	3	15	23	16	38.06	34	18.21 -116	25.72	0.32	A 3.9
					FELT L.A. BASIN					
1979	3	16	0	57	29.39	34	19.24 -116	26.30	1.91	A 3.4
1979	3	16	1	21	26.24	34	19.62 -116	24.14	0.15	A 3.7
1979	3	16	1	35	1.88	34	19.99 -116	24.11	0.97	A 3.3
1979	3	16	5	54	0.52	34	18.45 -116	26.07	1.59	A 3.5
					FELT LANDERS					
1979	3	16	7	52	9.09	34	18.52 -116	26.15	1.92	A 3.5
					FELT LANDERS					
1979	3	16	17	36	58.65	34	19.99 -116	23.81	0.49	A 4.0
					FELT LANDERS					
1979	3	17	8	12	42.89	34	17.37 -116	24.62	1.38	A 3.0

DATE	TIME				LAT.		LONG.		DEPTH	Q	MAG.	
1979	3	17	18	48	38.98	34	19.00	-116	22.53	1.98	A	3.3
1979	3	18	12	11	4.23	34	19.59	-116	25.53	2.13	A	3.1
1979	3	18	22	53	2.62	34	13.88	-116	21.59	3.69	A	4.1
FELT					LANDERS, JOSHUA TREE							
1979	3	20	10	39	47.12	34	18.67	-116	27.20	1.13	A	3.1
1979	3	21	4	48	35.81	34	17.20	-116	24.47	1.82	A	3.0
1979	3	23	3	9	51.27	37	29.15	-118	50.56	4.37	D	3.1
1979	3	24	12	30	22.96	31	42.14	-115	42.98	5.05	D	3.1*
1979	3	26	6	29	2.15	37	31.60	-118	42.63	1.72	D	3.5
1979	3	26	15	4	29.80	34	53.65	-120	27.19	6.00	D	3.1
FELT					SANTA MARIA							
1979	3	26	15	22	23.20	34	51.49	-120	35.14	6.00	D	3.5
FELT					SANTA MARIA							
1979	3	26	17	1	3.03	37	32.45	-118	48.51	5.00	D	3.1
1979	3	26	21	36	38.10	37	37.16	-118	53.56	5.00	D	3.9
1979	3	31	0	16	8.58	34	18.15	-116	29.93	0.11	A	3.9
1979	3	31	21	37	2.18	32	5.81	-117	13.78	3.31	D	4.6
FELT					SAN DIEGO							
1979	4	2	10	27	28.50	34	18.21	-116	30.13	0.00	A	3.1
1979	4	2	21	15	3.92	34	18.03	-116	30.07	0.29	A	3.3
1979	4	6	16	13	5.41	34	36.29	-116	30.53	2.50	A	3.5
1979	4	8	5	55	39.46	34	17.68	-116	24.59	3.62	A	3.0
1979	4	9	17	32	24.60	34	24.80	-116	28.04	0.37	A	3.3
1979	4	9	18	9	39.67	32	19.50	-115	10.08	2.11	D	3.1*
1979	4	11	23	53	55.80	34	15.16	-116	25.89	2.16	A	3.0
1979	4	12	4	44	44.64	34	17.72	-116	30.02	0.08	A	3.0
1979	4	15	3	12	7.84	37	7.67	-117	27.50	5.40	D	3.5
1979	4	18	23	21	35.86	36	4.97	-117	48.24	2.05	D	3.3
1979	4	19	22	39	57.69	34	22.43	-119	43.36	7.02	B	3.2
FELT					SANTA BARBARA							
1979	4	22	16	52	17.27	33	25.35	-116	32.95	13.86	A	3.3
1979	4	25	19	29	56.77	33	41.04	-119	25.16	5.00	C	3.4
1979	5	4	16	5	55.98	35	28.42	-118	34.17	5.56	C	3.2
1979	5	4	20	3	49.66	35	28.78	-118	36.88	5.00	C	3.1
1979	5	5	3	49	3.94	35	28.28	-118	31.26	5.79	D	3.0
1979	5	5	5	34	50.41	35	28.68	-118	36.39	5.53	C	3.0
1979	5	6	16	18	27.00	32	43.49	-115	24.59	5.25	A	3.1
1979	5	8	2	49	4.46	32	37.58	-119	33.63	5.00	D	3.2
1979	5	11	1	6	52.42	34	18.97	-116	28.98	1.49	A	3.4
1979	5	12	2	3	53.57	34	13.10	-117	30.86	5.28	A	3.3
1979	5	12	10	11	1.65	34	18.93	-116	28.81	0.25	A	3.5
1979	5	16	4	26	0.99	33	22.55	-116	21.98	2.80	A	3.3
1979	5	16	10	24	52.89	32	57.31	-115	49.94	6.52	A	3.6
1979	5	20	12	4	47.77	34	5.42	-116	22.88	0.72	A	3.7
FELT					YUCCA VALLEY							
1979	5	21	5	19	3.87	34	5.49	-116	22.95	2.09	A	3.1
FELT					YUCCA VALLEY							
1979	5	22	13	14	22.07	31	40.83	-115	40.73	5.00	D	3.4

DATE	TIME				IAT.	LONG.		DEPTH	Q	MAG.
1979	5	27	14	51	51.62	37	36.83 -118	55.53	3.74	B 3.7
1979	5	28	10	59	46.19	34	56.20 -116	39.81	5.00	C 3.1
1979	5	29	20	50	19.72	37	34.23 -118	28.28	1.52	D 3.2
1979	5	30	13	8	33.70	35	54.99 -117	24.02	2.87	C 3.2
1979	6	1	21	19	35.98	32	21.51 -115	20.84	5.01	C 3.3
1979	6	1	21	30	41.78	32	18.60 -115	20.70	5.00	C 3.3
1979	6	5	1	21	52.04	35	47.35 -118	1.42	2.32	C 3.0
1979	6	13	3	36	15.85	33	3.13 -115	35.30	0.00	B 3.1
1979	6	13	7	9	58.20	33	3.09 -115	35.07	2.91	A 3.7
FELT BRAWLEY										
1979	6	13	19	46	45.72	33	3.44 -115	35.41	2.94	A 4.2
FELT BRAWLEY										
1979	6	13	20	21	11.59	33	3.85 -115	35.55	3.34	A 3.3
FELT BRAWLEY										
1979	6	14	7	35	4.94	35	44.67 -118	0.54	4.99	C 3.5
1979	6	14	7	39	28.28	35	43.76 -118	1.39	5.00	C 4.6
FELT KERNVILLE										
1979	6	14	7	45	33.48	35	45.71 -118	1.44	5.02	D 3.0
1979	6	14	8	45	45.71	35	44.62 -118	0.33	5.00	C 3.6
1979	6	14	16	2	19.68	35	45.62 -118	0.85	4.99	C 3.0
1979	6	15	12	1	7.06	34	48.89 -116	25.12	5.00	C 3.5
1979	6	15	22	31	37.62	33	3.55 -115	35.32	2.28	A 3.3
1979	6	16	0	25	14.15	33	3.18 -115	35.48	2.52	A 3.8
1979	6	16	3	7	17.52	33	2.79 -115	35.13	2.91	A 3.3
1979	6	16	4	13	59.27	33	2.52 -115	35.38	2.72	A 3.2
1979	6	16	22	45	0.63	37	29.32 -118	56.59	5.12	D 4.2
1979	6	16	22	57	27.88	37	34.83 -118	56.67	5.34	D 3.9
1979	6	19	17	17	20.03	33	2.47 -115	35.18	2.69	A 3.0
1979	6	20	5	30	35.45	34	0.34 -118	21.22	9.98	A 3.0
FELT CULVER CITY TO L.A.										
1979	6	26	14	28	56.56	37	26.94 -118	37.43	4.99	D 3.4
FELT NO. OF BISHOP										
1979	6	26	15	13	58.36	37	28.72 -118	37.21	2.56	D 3.2
FELT NO. OF BISHOP										
1979	6	27	0	29	11.76	31	56.42 -114	40.22	6.89	D 3.3*
1979	6	28	9	34	0.67	35	44.17 -118	0.32	5.10	C 3.1
1979	6	29	0	58	28.32	35	44.35 -118	0.28	5.00	C 3.2
1979	6	29	5	53	20.21	34	15.10 -116	54.18	10.87	A 4.4
FELT L.A. AREA TO SAN DIEGO										
1979	6	30	0	34	11.42	34	14.83 -116	54.01	11.07	A 4.8
FELT L.A. AREA TO SAN DIEGO										
1979	6	30	0	42	43.42	34	15.19 -116	53.52	8.93	C 3.1
1979	6	30	6	56	32.74	34	14.75 -116	53.60	11.09	A 3.4
1979	6	30	7	3	52.78	34	15.25 -116	53.92	10.34	A 4.4
FELT SAN BERNARDINO AREA										
1979	7	1	9	29	27.98	34	14.65 -116	53.72	10.00	A 3.1
FELT BIG BEAR										
1979	7	1	9	30	14.04	32	15.01 -114	38.16	5.00	D 3.1*

DATE	TIME				LAT.	LONG.	DEPTH	Q	MAG.
1979	7	1	16	0	42.91	32 14.95 -114 40.69	5.00	D	3.3*
1979	7	2	11	51	55.33	33 29.97 -116 30.02	13.96	A	3.8
					FELT	PALM SPRINGS TO SAN DIEGO			
1979	7	2	12	42	37.32	33 30.47 -116 30.46	12.99	A	3.7
					FELT	PALM SPRINGS TO SAN DIEGO			
1979	7	3	3	52	53.24	32 16.60 -114 37.22	5.00	D	3.0*
1979	7	3	10	48	22.71	32 10.00 -114 40.00	5.00	D*	3.1*
1979	7	3	13	3	1.27	34 23.40 -119 46.67	9.42	B	3.2
					FELT	SANTA BARBARA			
1979	7	3	13	35	4.13	34 22.87 -119 46.54	12.23	B	3.4
					FELT	SANTA BARBARA			
1979	7	9	11	7	44.50	37 32.65 -118 57.41	5.00	C	3.0*
1979	7	10	5	20	26.56	32 53.63 -117 48.76	6.00	C	3.1
1979	7	13	2	26	3.28	34 15.47 -116 26.24	3.33	A	4.1
					FELT	SAN BERNARDINO			
1979	7	13	2	26	56.80	34 14.88 -116 26.31	4.09	D	3.0
1979	7	13	2	28	41.06	34 15.16 -116 26.01	5.02	A	3.5
1979	7	13	3	51	23.50	34 15.37 -116 26.29	4.50	A	4.1
					FELT	SAN BERNARDINO			
1979	7	13	4	57	23.90	34 15.33 -116 25.83	3.77	A	3.1
1979	7	14	6	39	42.71	36 7.98 -120 9.55	6.00	C	3.3
1979	7	14	22	43	8.68	31 44.10 -116 6.98	5.11	D	3.0*
1979	7	15	9	6	7.46	35 42.44 -119 58.27	6.00	C	3.3
1979	7	15	18	51	12.54	32 12.72 -116 2.24	5.04	D	3.1*
1979	7	15	18	59	33.85	32 26.68 -117 39.00	5.22	D	3.3
1979	7	27	19	57	29.95	37 36.96 -118 55.51	5.25	C	3.2
1979	7	27	23	23	8.57	37 37.00 -118 55.25	4.89	D	3.2
1979	7	27	23	24	0.32	37 26.52 -118 58.58	5.01	D	3.0
1979	7	28	20	9	21.36	37 37.37 -118 54.66	4.58	C	3.0
1979	8	1	23	19	55.15	31 57.81 -117 10.47	5.07	D	3.0
1979	8	3	0	25	12.63	32 0.28 -117 12.16	4.99	D	3.1
1979	8	3	4	30	44.46	37 30.95 -118 55.42	5.00	D	3.3
1979	8	3	4	33	53.95	37 36.59 -118 55.63	5.56	C	3.7
1979	8	5	11	3	57.47	32 5.90 -116 26.77	5.09	D	3.2
1979	8	9	9	3	10.93	32 8.31 -114 41.26	5.05	D	3.1*
1979	8	13	10	13	1.04	34 17.11 -116 23.90	5.49	A	3.2
1979	8	14	17	19	17.39	34 16.91 -116 23.96	5.47	A	3.0
1979	8	21	13	18	7.45	34 31.01 -119 44.91	4.85	A	3.2
					FELT	SANTA BARBARA			
1979	8	22	2	1	36.25	33 42.38 -116 50.10	17.02	A	4.0
					FELT	SAN BERNARDINO TO PALM SPRINGS			
1979	8	27	5	19	40.28	33 55.95 -115 55.32	5.05	A	3.4
1979	8	27	7	23	54.72	32 40.04 -115 58.74	4.53	D	3.5
					FELT	EL CENTRO			
1979	8	28	8	57	56.06	34 25.06 -117 44.77	7.85	A	3.9
					FELT	PALMDALE TO LOS ANGELES			
1979	8	31	4	10	18.43	32 27.42 -115 12.85	8.80	D	3.4
1979	8	31	4	14	23.12	32 27.11 -115 13.87	5.12	D	3.0

DATE	TIME				LAT.	LONG.	DEPTH	Q	MAG.
1979	9	3	11	44	16.10	33 23.10 -116 21.46	2.31	A	3.8
1979	9	5	17	11	6.87	34 1.77 -118 56.13	14.11	A	3.3
					FELT	CHATSWORTH, THOUSAND OAKS			
1979	9	7	9	43	48.50	37 38.00 -118 55.20	4.37	B	4.3
					FELT	MAMMOTH LAKES			
1979	9	16	8	55	40.55	33 28.70 -116 29.48	7.00	A	3.0
1979	9	22	9	9	49.87	32 58.41 -116 19.62	4.99	C	3.0
1979	9	24	7	47	56.61	34 9.64 -116 40.24	2.99	A	3.2
1979	9	24	13	5	4.84	37 38.07 -118 55.27	5.62	B	4.4
					FELT	MAMMOTH LAKES			
1979	9	24	14	26	21.07	37 32.93 -118 55.84	4.62	D	3.9
					FELT	MAMMOTH LAKES			
1979	9	24	15	1	20.93	37 38.05 -118 55.55	5.38	C	3.6
1979	9	26	21	45	35.27	37 38.11 -118 55.33	5.69	C	3.5
1979	9	26	22	29	36.92	33 45.14 -115 59.95	3.85	A	3.4
1979	9	26	22	30	12.27	33 45.33 -116 0.00	5.00	C	3.1
1979	10	1	4	17	43.83	32 0.91 -116 19.01	11.72	C	3.1
1979	10	1	11	52	0.59	37 35.78 -118 50.92	7.34	D	3.0
1979	10	1	11	52	20.32	37 34.71 -118 50.16	3.28	D	3.4
1979	10	1	12	37	2.65	37 33.88 -118 51.44	9.38	D	3.2
1979	10	3	8	54	24.77	37 37.95 -118 54.35	4.99	D	3.2
					FELT	MAMMOTH LAKES			
1979	10	3	8	58	30.50	37 37.34 -118 53.78	3.15	D	3.4
					FELT	MAMMOTH LAKES			
1979	10	4	13	44	17.82	33 36.58 -117 14.53	11.08	A	3.3
					FELT	NO. SAN DIEGO CO.			
1979	10	7	7	45	3.69	32 7.01 -114 41.24	9.16	D	3.1*
1979	10	8	11	26	42.87	32 58.84 -116 18.27	2.22	A	3.5
1979	10	10	19	48	37.98	32 22.90 -115 19.80	5.00	D	4.0
1979	10	15	23	16	54.12	32 38.05 -115 19.47	9.90	B	6.4
					FELT	THROUGHOUT SO. CALIF.			
					DAMAGE IN IMPERIAL VALLEY				
1979	10	15	23	18	17.63	32 45.00 -115 35.00	5.00	D*	3.4*
1979	10	15	23	18	38.26	32 45.00 -115 35.00	5.00	D*	3.8*
1979	10	15	23	19	28.70	32 44.88 -115 35.19	5.00	D	5.0
1979	10	15	23	21	32.55	32 45.00 -115 35.00	5.00	D*	3.0*
1979	10	15	23	21	45.91	32 45.00 -115 35.00	5.00	D*	3.4*
1979	10	15	23	22	38.87	32 50.00 -115 33.00	5.00	D*	3.3*
1979	10	15	23	23	31.32	32 45.00 -115 33.00	5.00	D*	3.0*
1979	10	15	23	23	48.18	32 45.00 -115 33.00	5.00	D*	3.0*
1979	10	15	23	24	23.23	32 45.00 -115 33.00	5.00	D*	3.8*
1979	10	15	23	25	15.63	32 45.79 -115 32.21	4.79	D	3.2*
1979	10	15	23	25	53.67	32 53.21 -115 32.54	4.97	D	3.9
1979	10	15	23	27	25.01	32 50.00 -115 32.00	5.00	D*	3.0*
1979	10	15	23	28	1.29	32 54.25 -115 31.95	1.90	D	3.7
1979	10	15	23	28	38.51	32 50.00 -115 32.00	5.00	D*	3.0*
1979	10	15	23	28	58.62	32 48.69 -115 29.27	1.81	D	3.5*
1979	10	15	23	31	13.91	32 53.03 -115 32.76	5.44	B	3.5

DATE	TIME	LAT.	LONG.	DEPTH	Q	MAG.
1979 10 15	23 32 22.10	32 49.25	-115 34.45	5.00	D	3.0*
1979 10 15	23 32 50.89	32 52.20	-115 33.97	5.01	D	3.0*
1979 10 15	23 33 58.39	32 54.21	-115 32.04	0.22	C	3.1
1979 10 15	23 35 21.75	33 4.18	-115 34.22	5.21	D	3.4
1979 10 15	23 36 51.82	32 55.92	-115 32.42	2.70	B	3.4
1979 10 15	23 37 9.44	32 54.31	-115 31.92	4.04	D	3.0*
1979 10 15	23 38 2.83	32 52.96	-115 33.36	4.93	D	3.0*
1979 10 15	23 39 7.94	32 55.62	-115 30.05	0.35	D	3.3
1979 10 15	23 40 11.22	32 54.37	-115 32.68	1.12	C	3.2
1979 10 15	23 40 44.29	32 53.83	-115 31.75	0.03	D	3.5*
1979 10 15	23 41 22.94	33 4.17	-115 29.42	3.80	D	3.0*
1979 10 15	23 43 18.30	32 55.66	-115 31.56	5.52	D	3.2
1979 10 15	23 45 13.62	32 53.55	-115 29.47	4.84	D	3.3
1979 10 15	23 45 55.34	32 58.54	-115 30.49	5.00	D	3.0*
1979 10 15	23 46 54.85	32 59.04	-115 33.82	3.64	D	3.0*
1979 10 15	23 47 10.34	32 55.00	-115 32.00	5.00	D*	3.0*
1979 10 15	23 50 44.72	32 54.37	-115 32.41	0.07	D	3.0*
1979 10 15	23 51 0.56	32 55.88	-115 30.33	4.62	D	3.0*
1979 10 15	23 51 25.14	32 58.11	-115 30.62	4.74	D	3.5
1979 10 15	23 52 36.08	32 53.00	-115 29.11	4.91	D	3.3
1979 10 15	23 53 4.97	32 58.47	-115 31.59	3.87	D	3.5
1979 10 15	23 53 58.30	32 52.97	-115 29.93	4.92	D	3.2*
1979 10 15	23 54 35.87	32 56.63	-115 31.46	5.00	D	3.0*
1979 10 15	23 55 3.59	32 49.08	-115 35.05	5.97	D	4.2
1979 10 15	23 57 3.23	32 54.40	-115 32.46	4.94	D	3.0*
1979 10 15	23 58 2.52	33 12.97	-115 40.62	0.35	D	3.0*
1979 10 16	0 1 49.53	32 55.49	-115 30.99	6.64	D	3.2
1979 10 16	0 2 42.64	32 58.13	-115 33.89	3.75	D	3.0*
1979 10 16	0 3 14.44	32 53.85	-115 29.56	4.39	D*	3.0*
1979 10 16	0 4 52.12	32 55.78	-115 30.88	5.00	A	3.0
1979 10 16	0 6 20.83	32 54.89	-115 31.86	1.71	B	3.5
1979 10 16	0 6 59.94	32 54.67	-115 29.69	4.98	D	3.0*
1979 10 16	0 12 45.27	32 44.38	-115 24.11	5.19	B	3.2*
1979 10 16	0 17 31.95	32 54.99	-115 31.07	4.74	B	3.3
1979 10 16	0 20 21.44	32 48.69	-115 26.88	4.17	C	3.4
1979 10 16	0 20 40.89	32 53.61	-115 29.44	4.85	D	3.3*
1979 10 16	0 22 14.84	32 57.05	-115 31.44	3.43	A	4.2
1979 10 16	0 27 0.90	33 1.91	-115 30.26	5.05	D	3.3
1979 10 16	0 28 53.56	32 57.49	-115 31.60	4.36	C	3.7
1979 10 16	0 30 2.53	32 55.74	-115 27.98	4.98	D	3.2
1979 10 16	0 31 53.72	32 51.76	-115 29.77	4.74	D	3.2*
1979 10 16	0 34 0.01	33 2.93	-115 35.26	5.00	D	3.0
1979 10 16	0 34 38.89	32 53.33	-115 30.67	5.02	D	3.1
1979 10 16	0 35 45.50	32 55.38	-115 31.49	1.92	B	3.0
1979 10 16	0 38 35.24	32 59.12	-115 33.87	5.45	C	3.4
1979 10 16	0 42 7.72	32 56.16	-115 32.13	5.28	A	3.0
1979 10 16	0 48 3.90	32 45.07	-115 24.96	5.47	C	3.1
1979 10 16	0 50 22.96	32 57.57	-115 37.37	0.75	C	3.8

DATE	TIME	LAT.	LONG.	DEPTH	Q	MAG.
1979 10 16	0 51 33.25	32 54.01	-115 30.91	4.96	D	3.0*
1979 10 16	0 52 38.22	32 53.83	-115 35.41	3.80	D	3.2*
1979 10 16	0 55 33.97	32 59.36	-115 33.96	4.07	A	3.2
1979 10 16	0 59 51.35	32 53.97	-115 31.15	1.15	C	3.4
1979 10 16	1 0 13.98	32 52.61	-115 33.35	4.59	C	4.7
1979 10 16	1 7 12.51	32 57.78	-115 32.47	4.65	A	3.7
1979 10 16	1 8 19.16	32 55.19	-115 29.26	4.97	B	3.2
1979 10 16	1 9 42.11	32 48.86	-115 27.67	9.47	D	3.0
1979 10 16	1 11 51.77	32 56.91	-115 31.43	3.98	A	3.3
1979 10 16	1 12 27.60	32 53.13	-115 29.44	6.10	D	3.3
1979 10 16	1 14 21.88	32 55.69	-115 31.39	2.78	A	4.4
1979 10 16	1 24 8.02	32 44.65	-115 30.06	5.31	C	3.1
1979 10 16	1 25 34.11	32 45.25	-115 24.82	4.87	B	3.0*
1979 10 16	1 25 52.90	32 57.45	-115 30.65	4.00	C	3.7
1979 10 16	1 33 49.01	32 55.95	-115 31.60	3.85	B	3.3
1979 10 16	1 34 56.59	32 55.82	-115 32.64	5.00	B	3.0
1979 10 16	1 35 22.62	32 51.69	-115 26.82	5.00	D	3.2
1979 10 16	1 38 30.16	32 55.82	-115 30.23	5.00	D	3.3*
1979 10 16	1 39 4.27	32 57.24	-115 30.35	0.08	B	4.1
1979 10 16	1 41 34.79	32 56.46	-115 32.28	3.34	A	3.0
1979 10 16	1 42 9.68	33 0.05	-115 28.53	5.46	D	3.1
1979 10 16	1 43 17.48	32 56.76	-115 29.21	5.09	D	3.0
1979 10 16	1 48 32.37	32 47.85	-115 25.56	4.43	D	3.0*
1979 10 16	1 48 51.85	32 56.30	-115 27.96	5.25	D	3.1
1979 10 16	1 49 43.12	32 55.67	-115 34.27	4.56	D	3.5
1979 10 16	1 50 20.87	32 55.18	-115 32.57	5.22	D	3.5
1979 10 16	1 58 10.89	32 56.49	-115 31.94	4.50	A	3.2
1979 10 16	2 0 6.66	32 58.22	-115 32.09	3.61	B	3.2
1979 10 16	2 7 8.52	32 56.97	-115 33.12	4.07	A	3.0*
1979 10 16	2 10 18.40	32 54.77	-115 30.96	4.38	A	3.7
1979 10 16	2 24 8.92	32 55.00	-115 32.00	5.00	D*	3.1
1979 10 16	2 26 12.83	32 57.67	-115 32.61	4.66	A	3.0
1979 10 16	2 30 45.38	32 57.77	-115 32.75	4.60	A	3.1
1979 10 16	2 36 33.91	32 58.83	-115 37.86	4.19	A	3.6
1979 10 16	2 41 3.93	32 56.94	-115 32.28	4.36	A	3.4
1979 10 16	2 47 28.67	32 57.74	-115 32.89	4.64	B	3.2
1979 10 16	2 49 10.54	32 56.71	-115 33.10	5.30	D	3.3
1979 10 16	2 51 48.01	32 57.21	-115 31.99	4.21	A	3.2
1979 10 16	2 53 1.18	32 53.37	-115 29.87	6.03	A	3.0
1979 10 16	3 7 48.90	32 55.27	-115 31.40	5.26	A	3.2
1979 10 16	3 9 44.31	32 57.08	-115 32.97	3.84	A	3.4
1979 10 16	3 10 47.83	32 57.05	-115 32.10	4.22	B	4.6
1979 10 16	3 13 10.12	32 54.47	-115 30.97	4.86	D	3.3
1979 10 16	3 14 12.32	32 52.26	-115 30.72	4.82	D	3.4
1979 10 16	3 15 50.75	32 53.83	-115 26.16	5.00	D	3.4
1979 10 16	3 16 25.91	32 56.87	-115 31.95	0.96	A	4.1
1979 10 16	3 22 5.23	32 56.46	-115 32.50	4.65	A	3.1
1979 10 16	3 37 26.49	32 55.48	-115 32.20	4.63	A	3.0

DATE	TIME	IAT.	LONG.	DEPTH	Q	MAG.
1979 10 16	3 39 35.04	32 56.92	-115 33.01	5.14	A	4.6
1979 10 16	3 43 53.71	32 57.95	-115 33.53	6.48	A	3.5
1979 10 16	3 46 12.08	33 1.63	-115 25.31	2.49	B	3.6
1979 10 16	4 3 41.25	32 55.00	-115 31.00	5.00	D*	3.8
1979 10 16	4 16 3.94	32 54.29	-115 31.92	4.24	A	3.0
1979 10 16	4 19 7.46	32 56.36	-115 32.11	4.35	A	3.0
1979 10 16	4 22 19.89	32 59.13	-115 33.60	4.14	A	3.2
1979 10 16	4 25 28.51	32 49.55	-115 29.87	0.31	B	3.4
1979 10 16	4 29 56.00	33 0.89	-115 34.19	3.74	B	3.7
1979 10 16	4 32 32.81	32 58.03	-115 33.08	4.47	A	3.7
1979 10 16	4 33 53.83	32 57.97	-115 31.78	3.30	D	3.9
1979 10 16	4 44 30.68	32 59.16	-115 33.81	5.10	A	3.7
1979 10 16	4 59 7.10	32 56.71	-115 32.56	4.27	A	3.2*
1979 10 16	4 59 22.68	32 56.35	-115 32.88	4.48	B	3.5
1979 10 16	5 15 10.95	32 54.52	-115 33.79	5.00	A	3.5
1979 10 16	5 16 15.78	32 53.69	-115 31.48	4.97	D	3.5
1979 10 16	5 17 8.53	32 58.10	-115 34.59	5.00	D	3.1
1979 10 16	5 18 1.17	32 52.49	-115 38.68	4.20	C	3.5
1979 10 16	5 18 43.03	33 1.62	-115 23.95	2.50	D	3.3
1979 10 16	5 23 1.88	32 56.79	-115 32.51	4.45	A	3.0
1979 10 16	5 24 40.53	32 57.19	-115 32.79	4.85	A	3.0
1979 10 16	5 26 38.04	32 59.31	-115 33.69	3.61	A	3.0
1979 10 16	5 38 2.25	32 59.03	-115 33.98	5.10	A	3.0
1979 10 16	5 49 10.97	32 56.48	-115 32.31	4.66	A	5.1
1979 10 16	5 53 50.43	32 57.84	-115 33.02	5.01	D	3.4
1979 10 16	6 4 39.26	32 53.91	-115 33.34	5.18	B	4.1
1979 10 16	6 10 36.34	32 58.01	-115 32.56	4.25	A	3.5
1979 10 16	6 12 0.54	32 56.17	-115 31.05	4.93	A	4.1
1979 10 16	6 12 47.71	31 25.34	-116 49.91	5.00	D	4.5
1979 10 16	6 17 32.02	32 59.64	-115 33.42	3.57	B	3.2
1979 10 16	6 19 0.62	33 13.40	-115 37.68	0.49	A	3.4
1979 10 16	6 19 49.22	32 56.20	-115 31.91	2.44	C	5.1
1979 10 16	6 22 44.85	32 55.00	-115 31.00	5.00	D*	4.0
1979 10 16	6 25 8.20	32 55.00	-115 31.00	5.00	D*	3.5
1979 10 16	6 28 15.34	32 58.36	-115 33.45	0.40	C	3.3
1979 10 16	6 29 29.27	32 59.82	-115 33.83	3.78	A	3.7
1979 10 16	6 34 43.48	32 55.48	-115 31.43	4.50	A	3.4
1979 10 16	6 35 40.94	32 56.92	-115 33.07	2.50	D	3.3
1979 10 16	6 38 55.41	32 57.36	-115 31.96	2.98	B	3.2
1979 10 16	6 43 22.15	33 0.90	-115 32.84	3.36	C	3.4
1979 10 16	6 44 6.89	32 59.09	-115 33.85	4.46	B	3.5
1979 10 16	6 47 51.00	32 53.05	-115 29.76	4.20	A	3.1
1979 10 16	6 54 4.78	32 58.93	-115 33.05	3.29	A	3.4
1979 10 16	6 55 23.46	32 59.29	-115 32.46	4.10	A	4.7
1979 10 16	6 58 43.18	32 59.94	-115 34.13	1.33	A	5.5
FELT IMPERIAL VALLEY						
1979 10 16	7 2 9.10	32 59.88	-115 35.77	5.10	D	3.9
1979 10 16	7 3 32.10	32 55.00	-115 31.00	5.00	D*	3.0

DATE	TIME	LAT.	LONG.	DEPTH	Q	MAG.
1979	10 16	7 11 34.64	32 59.18 -115 32.60	1.69	A	3.1
1979	10 16	7 13 26.88	32 57.02 -115 32.28	3.05	A	3.0
1979	10 16	7 20 16.08	32 59.79 -115 34.70	13.75	B	3.1
1979	10 16	7 23 25.13	32 54.60 -115 31.29	10.07	A	4.3
1979	10 16	7 26 16.57	32 58.54 -115 34.10	6.02	C	4.0
1979	10 16	7 28 19.38	33 0.95 -115 30.20	2.50	B	3.6
1979	10 16	7 35 2.77	32 58.46 -115 33.61	4.00	A	3.4
1979	10 16	7 36 47.70	32 59.61 -115 34.32	2.41	A	3.7
1979	10 16	7 49 47.38	32 59.16 -115 36.61	1.43	B	4.0
1979	10 16	7 58 45.41	32 58.28 -115 35.71	13.53	B	3.1
1979	10 16	7 59 18.67	33 1.77 -115 35.04	5.00	D	3.0
1979	10 16	8 1 34.71	33 1.28 -115 31.20	4.06	B	3.0
1979	10 16	8 2 25.57	32 55.47 -115 27.04	5.00	D	3.0
1979	10 16	8 9 41.99	33 2.73 -115 32.80	1.98	A	3.3
1979	10 16	8 20 28.11	32 53.95 -115 38.51	5.96	C	3.0
1979	10 16	8 37 53.54	32 58.92 -115 32.93	3.38	A	3.2
1979	10 16	9 23 21.78	32 56.37 -115 31.36	5.00	A	3.9
1979	10 16	9 33 53.54	32 54.16 -115 30.80	4.63	A	3.7
1979	10 16	9 36 41.89	32 56.98 -115 31.41	4.27	A	4.1
1979	10 16	9 49 21.59	32 53.90 -115 30.79	4.43	A	3.1
1979	10 16	9 57 4.63	32 56.57 -115 33.54	4.82	A	3.5
1979	10 16	10 11 55.20	32 54.50 -115 31.06	4.99	A	3.8
1979	10 16	10 24 57.29	32 57.88 -115 32.60	4.42	A	3.0
1979	10 16	10 29 32.37	32 54.50 -115 31.14	4.70	A	3.0
1979	10 16	10 30 2.15	32 55.82 -115 31.33	4.89	A	3.5
1979	10 16	10 34 37.80	33 1.19 -115 30.51	1.07	A	3.5
1979	10 16	10 35 45.66	32 54.93 -115 31.07	4.24	B	3.7
1979	10 16	10 37 17.97	32 53.64 -115 30.08	3.91	C	3.2
1979	10 16	10 51 27.65	32 56.83 -115 32.84	2.30	A	3.9
1979	10 16	10 53 51.13	32 53.52 -115 40.96	4.66	D	3.0
1979	10 16	11 10 41.86	33 3.09 -115 33.16	2.55	A	3.3
1979	10 16	11 16 57.21	32 59.69 -115 34.92	3.82	A	3.7
1979	10 16	11 19 12.83	32 56.16 -115 31.76	4.82	A	3.9
1979	10 16	11 26 47.30	32 54.10 -115 29.96	4.39	B	4.0
1979	10 16	11 47 56.06	32 54.81 -115 33.61	5.09	A	4.8
1979	10 16	11 55 13.02	32 54.46 -115 32.11	4.40	B	3.3
1979	10 16	11 56 19.16	32 53.06 -115 31.57	3.79	A	3.7
1979	10 16	12 1 45.77	32 53.21 -115 30.55	4.97	A	4.1
1979	10 16	12 6 9.55	32 53.51 -115 29.98	2.38	B	3.0
1979	10 16	12 10 21.23	32 55.00 -115 31.00	5.00	D*	3.4
1979	10 16	12 12 5.31	33 4.17 -115 35.06	3.52	A	3.5
1979	10 16	12 26 48.90	32 52.93 -115 30.41	4.57	A	3.3
1979	10 16	12 49 6.23	32 59.18 -115 33.67	4.33	A	3.3
1979	10 16	12 54 16.38	32 55.09 -115 30.61	4.77	A	3.1
1979	10 16	12 58 0.55	33 0.99 -115 32.68	3.51	A	3.7
1979	10 16	13 15 57.33	32 57.91 -115 32.39	3.04	A	3.1
1979	10 16	13 33 33.23	33 1.23 -115 32.12	5.00	A	3.0
1979	10 16	14 8 32.94	32 53.71 -115 30.67	4.67	A	3.3

DATE	TIME		LAT.	LONG.	DEPTH	Q	MAG.
1979 10 16	14 20	8.11	32 58.16	-115 32.80	4.57	A	3.3
1979 10 16	15 0	2.29	33 1.33	-115 30.51	3.31	A	4.1
1979 10 16	15 5	41.22	33 1.97	-115 30.50	4.01	A	3.3
1979 10 16	15 9	5.27	32 56.89	-115 31.09	4.99	A	3.1
1979 10 16	15 16	1.69	32 59.79	-115 35.20	4.84	A	3.2
1979 10 16	16 37	17.11	32 58.26	-115 34.52	8.46	A	3.3
1979 10 16	17 23	55.62	32 54.08	-115 29.46	5.07	A	3.7
1979 10 16	19 7	56.57	32 57.64	-115 32.78	6.07	A	3.2
1979 10 16	21 48	43.69	33 3.95	-115 33.51	3.86	A	3.8
1979 10 16	22 32	22.25	33 3.78	-115 33.49	0.88	A	3.2
1979 10 16	22 33	58.07	32 57.80	-115 32.71	4.21	A	3.0
1979 10 16	23 12	37.16	33 1.48	-115 30.10	6.69	A	3.2
1979 10 16	23 16	32.18	33 1.33	-115 30.37	3.32	A	5.0
1979 10 16	23 22	2.20	32 55.00	-115 31.00	5.00	D*	3.0
1979 10 16	23 23	51.41	33 0.87	-115 28.62	5.00	C	3.0
1979 10 16	23 59	17.17	32 49.40	-115 37.70	5.00	C	3.1*
1979 10 17	0 6	22.40	33 1.28	-115 30.70	3.16	A	3.2
1979 10 17	0 14	55.18	33 1.62	-115 30.89	5.00	A	3.0*
1979 10 17	0 15	17.34	32 57.25	-115 33.65	6.72	B	3.3
1979 10 17	1 29	53.01	32 53.74	-115 31.21	4.06	A	3.2
1979 10 17	2 13	17.68	33 16.38	-115 38.27	0.73	B	3.1
1979 10 17	2 28	19.00	33 2.23	-115 30.83	3.93	A	3.3
1979 10 17	6 14	2.44	33 1.69	-115 30.86	4.26	A	3.5
1979 10 17	8 39	52.22	33 0.55	-115 20.90	4.35	A	3.1
1979 10 17	9 17	22.69	33 9.27	-115 37.31	3.19	A	3.2
1979 10 17	13 17	18.96	32 57.61	-115 33.16	3.66	A	3.0
1979 10 17	16 0	2.49	32 27.62	-115 12.09	5.00	C	3.3
1979 10 17	16 17	36.86	32 57.23	-115 32.22	5.29	A	3.0
1979 10 17	19 3	3.46	33 1.60	-115 29.42	3.03	A	3.0
1979 10 17	19 14	38.49	32 55.06	-115 34.64	5.34	A	4.2
1979 10 17	20 52	36.87	33 54.51	-118 40.89	12.41	A	4.3
FELT L.A., VENTURA CO.							
1979 10 17	22 45	33.82	33 2.40	-115 30.02	1.87	A	4.7
1979 10 17	22 50	31.83	33 2.51	-115 30.26	2.85	A	3.0
1979 10 17	22 54	20.50	33 2.54	-115 29.51	2.77	A	3.0
1979 10 17	23 27	31.01	33 2.43	-115 29.60	2.58	A	3.2
1979 10 17	23 35	27.15	32 25.59	-115 12.41	5.00	D	3.0
1979 10 18	0 29	47.85	33 8.85	-115 37.35	2.47	A	3.1
1979 10 18	3 17	16.77	32 54.98	-115 34.25	5.08	A	3.6
1979 10 18	4 25	42.83	33 56.09	-118 40.66	14.64	A	3.0
FELT PACIFIC PALISADES							
1979 10 18	5 37	20.68	32 55.24	-115 34.25	5.09	A	3.2
1979 10 18	12 1	9.76	32 58.52	-115 36.59	6.05	A	3.5
1979 10 18	13 20	26.82	32 53.78	-115 30.10	5.01	A	3.2
1979 10 18	14 56	19.83	33 2.33	-115 29.70	1.54	A	3.2
1979 10 18	19 19	57.42	32 58.41	-115 36.68	6.45	A	3.3
1979 10 19	1 5	43.39	32 59.42	-115 34.76	3.53	A	3.1
1979 10 19	1 34	24.27	31 45.61	-116 2.24	5.41	D	3.2

DATE	TIME	IAT.	LONG.	DEPTH	Q	MAG.
1979 10 19	10 35 8.91	32 54.98	-115 33.35	5.00	A	3.4
1979 10 19	12 22 37.74	34 12.64	-117 31.82	4.88	A	4.0
	FELT	SAN BERNARDINO				
1979 10 19	18 51 29.00	32 54.87	-115 33.55	3.32	A	3.1
1979 10 19	19 42 36.97	32 29.02	-115 13.76	6.00	C	3.4
1979 10 20	5 4 7.87	32 55.38	-115 32.40	5.29	A	3.0
1979 10 20	7 25 23.78	32 28.64	-115 12.72	5.00	C	3.0
1979 10 20	14 52 55.31	32 53.23	-115 30.10	4.47	A	3.1
1979 10 21	18 17 58.37	32 55.29	-115 30.43	5.33	A	3.3
1979 10 21	20 27 40.62	32 23.83	-115 10.01	5.00	D	3.0
1979 10 24	6 44 29.45	32 26.94	-115 13.31	5.00	C	3.2
1979 10 24	13 32 49.58	34 11.63	-116 25.80	1.68	A	3.4
	FELT	YUCCA VALLEY				
1979 10 28	23 12 23.82	37 34.37	-118 55.92	7.41	D	3.0
	FELT	MAMMOTH LAKES				
1979 10 31	11 43 46.48	32 44.65	-115 25.08	13.29	B	3.4
	FELT	BRAWLEY, EL CENTRO				
1979 11 4	9 30 30.93	32 59.39	-115 35.13	5.30	A	3.0
1979 11 4	17 13 30.98	33 1.71	-115 30.68	2.08	A	3.3
1979 11 4	17 14 30.55	33 1.46	-115 31.32	5.08	D	3.0
1979 11 5	22 37 1.61	35 23.00	-118 37.04	5.00	C	3.0
1979 11 5	22 44 31.11	33 13.83	-116 0.78	0.99	A	3.2
1979 11 6	4 30 59.17	32 55.26	-116 14.58	4.99	C	3.3
1979 11 7	6 27 24.11	37 37.05	-118 52.82	7.86	D	3.7
	FELT	MAMMOTH LAKES				
1979 11 9	9 0 52.82	37 37.15	-118 53.23	5.90	D	3.3
1979 11 9	10 12 55.48	37 33.43	-118 56.74	5.46	D	4.0
1979 11 9	17 33 15.96	37 31.19	-118 54.33	5.00	D	3.2
1979 11 9	17 46 59.34	37 32.22	-118 53.31	4.93	D	4.1
	FELT	MAMMOTH LAKES				
1979 11 9	17 54 14.78	37 38.07	-118 53.77	4.98	D	4.4
	FELT	MAMMOTH LAKES				
1979 11 9	20 10 58.26	37 35.78	-118 53.99	5.52	D	3.1
1979 11 9	20 38 54.27	37 36.84	-118 52.39	2.47	D	3.2
1979 11 9	21 4 49.61	37 35.94	-118 53.65	10.19	D	3.4
1979 11 9	22 26 54.37	37 36.67	-118 53.26	6.68	D	3.4
1979 11 9	22 59 33.22	37 37.44	-118 52.76	5.29	D	3.6
1979 11 10	9 45 9.39	37 35.68	-118 52.31	5.00	B	4.2
1979 11 12	14 9 51.76	37 37.32	-118 53.93	5.28	C	3.4
1979 11 13	22 14 47.45	37 37.01	-118 54.50	5.96	C	3.3
1979 11 14	1 5 44.69	37 37.25	-118 54.75	5.61	C	3.3
1979 11 15	4 53 31.57	37 29.60	-118 40.62	8.88	B	3.0
1979 11 15	7 9 58.34	32 45.21	-118 8.61	6.89	D	3.0
1979 11 15	20 51 34.28	37 35.64	-118 51.37	14.65	C	3.5
1979 11 16	21 48 25.68	37 36.03	-118 51.54	6.17	C	3.6
1979 11 16	21 50 9.78	37 36.70	-118 52.00	7.88	C	3.4
1979 11 17	18 46 40.71	37 35.63	-118 51.84	6.24	B	3.3
1979 11 17	21 47 52.43	37 36.36	-118 51.51	6.97	B	3.3

DATE	TIME	LAT.	LONG.	DEPTH	Q	MAG.
1979 11 19	4 55 53.34	37 37.02	-118 54.12	6.58	C	3.3
1979 11 19	8 17 35.24	37 36.92	-118 52.86	5.40	C	3.3
1979 11 19	23 24 21.49	32 18.47	-115 7.61	5.00	D	3.3
1979 11 20	17 23 59.13	37 35.60	-118 52.18	6.88	B	4.2
FELT MAMMOTH LAKES						
1979 11 21	8 59 46.60	37 36.90	-118 53.20	5.30	C	3.2
1979 11 22	19 44 11.19	35 38.68	-118 24.07	3.36	A	3.0
1979 11 23	6 38 28.08	35 19.95	-118 56.80	5.00	C	3.0
1979 11 23	11 9 15.04	36 27.45	-117 52.08	3.83	C	3.0
1979 11 24	4 29 30.23	37 36.45	-118 48.36	7.25	D	3.2
1979 11 25	5 24 52.64	32 20.18	-115 7.56	5.00	D	3.3
1979 11 25	6 47 0.09	37 37.09	-118 51.83	5.49	C	3.4
FELT MAMMOTH LAKES						
1979 11 26	17 26 31.13	37 35.33	-118 50.92	5.04	D	3.1
1979 11 29	8 23 31.50	37 37.06	-118 48.82	6.83	B	3.1
1979 11 29	8 34 8.37	37 9.98	-116 24.53	4.96	D	3.3
1979 12 1	2 1 4.34	32 17.92	-115 5.56	12.84	C	3.4
1979 12 2	0 46 28.26	32 39.01	-116 2.72	11.54	B	4.0
FELT SAN DIEGO						
1979 12 6	19 32 38.86	37 36.65	-118 51.22	6.02	B	4.4
FELT MAMMOTH LAKES						
1979 12 7	23 46 12.77	32 17.38	-115 5.45	5.00	C	3.0
1979 12 7	23 54 36.25	34 0.58	-116 42.54	19.13	A	3.4
1979 12 8	13 19 19.94	37 36.87	-118 52.05	9.31	D	3.3
1979 12 8	13 20 50.08	37 35.94	-118 52.48	4.38	D	3.2
1979 12 8	21 38 52.42	37 36.58	-118 53.13	7.72	D	4.4
1979 12 9	2 8 16.74	37 36.46	-118 51.94	6.22	C	3.7
1979 12 9	8 32 3.18	37 36.30	-118 52.33	6.22	D	3.5
1979 12 12	21 37 42.60	32 16.40	-116 17.27	4.96	D	4.0
FELT IMPERIAL VALLEY						
1979 12 13	11 35 33.27	37 25.88	-116 2.98	4.82	D	3.1*
1979 12 13	16 39 39.41	32 17.70	-115 18.12	5.00	C	4.2
1979 12 14	6 2 11.52	37 37.29	-119 57.49	7.14	B	3.4
1979 12 16	6 0 54.05	33 56.45	-118 40.86	12.53	B	3.1
FELT WEST L.A.						
1979 12 16	6 29 27.18	37 34.39	-118 51.38	4.68	D	3.7
1979 12 16	6 51 53.45	37 7.64	-118 35.88	5.22	C	3.2
1979 12 16	10 17 37.85	31 33.78	-115 28.59	5.00	D	4.1
1979 12 16	10 44 16.13	37 34.37	-118 52.83	6.93	D	3.3
1979 12 17	22 13 13.79	31 33.34	-115 32.32	5.24	D	3.1
1979 12 18	15 37 13.27	34 2.19	-117 7.82	5.04	A	3.3
FELT REDLANDS, SAN BERNARDINO						
1979 12 20	2 27 36.87	37 37.45	-118 57.65	5.68	B	3.4
1979 12 20	20 31 51.95	34 16.75	-117 28.93	12.02	A	3.2
1979 12 21	20 40 23.40	32 29.01	-115 11.64	5.00	C	4.8
FELT SAN DIEGO, IMPERIAL VALLEY						
1979 12 21	20 58 46.86	32 27.77	-115 10.98	5.00	C	3.5
1979 12 23	6 34 14.89	33 3.73	-115 34.48	4.91	A	3.3

DATE	TIME	LAT.	LONG.	DEPTH	Q	MAG.
1979 12 25	14 17	10.05	37 16.11 -116 52.85	3.06	D	3.9
1979 12 25	15 10	2.72	31 33.83 -115 39.92	4.96	D	3.1*
1979 12 26	8 9	5.95	37 24.70 -118 48.97	5.60	C	4.1
1979 12 28	3 29	49.54	37 39.11 -118 52.14	6.20	C	4.0
1979 12 28	4 40	38.81	37 39.43 -118 52.29	7.01	C	3.2
1979 12 29	15 5	17.49	38 23.05 -117 55.21	5.05	D	3.0
1979 12 31	8 27	55.57	38 11.93 -117 25.29	7.93	D	4.7

DATE	TIME				LAT.	LONG.		DEPTH	Q	MAG.
1980	1	1	2	9	27.36	36	10.87 -120	55.28	6.00	C 3.4
1980	1	1	4	28	41.75	32	47.57 -115	26.95	8.50	A 3.0
					FELT	IMPERIAL CO.				
1980	1	6	10	25	39.51	38	22.84 -117	34.13	6.65	D 3.4
1980	1	7	19	56	58.51	37	36.57 -118	55.22	6.98	C 3.5
1980	1	8	19	10	11.48	34	1.99 -117	33.45	10.23	A 3.2
					FELT	RIVERSIDE TO UPLAND				
1980	1	10	5	1	59.58	37	24.41 -118	30.90	14.59	C 3.1
1980	1	12	20	11	6.21	32	54.18 -115	31.07	4.55	A 4.1
					FELT	BRAWLEY				
1980	1	12	21	51	15.02	32	52.91 -115	30.38	4.07	B 3.0
1980	1	13	21	12	33.29	33	3.18 -115	33.18	4.90	A 3.5
1980	1	14	23	51	54.75	37	37.68 -118	47.98	5.76	C 4.3
					FELT	LAKE CROWLEY				
1980	1	15	0	0	21.26	37	37.59 -118	48.24	7.12	D 3.4
1980	1	15	0	0	40.53	37	38.00 -118	48.00	6.00	D* 3.1
1980	1	15	20	28	20.92	36	12.42 -117	32.81	0.98	D 3.7
1980	1	18	9	9	30.72	33	55.11 -117	43.58	15.05	A 3.1
1980	1	26	22	44	18.81	31	56.91 -115	53.39	5.25	D 3.1
1980	1	26	23	53	5.46	34	24.43 -117	1.43	0.68	A 3.1
1980	1	28	12	55	22.18	32	2.38 -116	19.33	5.12	D 3.6
1980	1	29	19	49	3.00	32	2.45 -116	19.21	5.03	D 4.4
1980	1	29	20	3	24.24	32	3.61 -116	19.19	5.48	D 3.2
1980	1	30	10	59	50.86	32	2.70 -116	19.37	5.14	D 3.7
1980	1	30	20	17	46.20	37	37.34 -118	57.66	11.52	D 3.5
1980	1	31	10	48	17.74	37	39.47 -118	56.86	5.19	C 3.7
1980	2	3	12	42	16.99	32	32.26 -118	9.16	5.45	D 3.0
1980	2	5	0	30	1.17	32	18.42 -115	48.56	5.04	D 3.9
1980	2	6	9	36	3.25	37	38.83 -118	46.27	13.53	C 3.0
1980	2	8	19	53	26.01	34	55.43 -116	46.37	5.00	C 3.0
1980	2	13	6	31	12.88	33	17.54 -116	9.24	6.00	C 3.2
1980	2	13	16	59	10.25	32	14.98 -114	49.29	5.00	D 3.2
1980	2	14	14	30	56.72	37	37.08 -118	54.32	10.35	D 3.2
1980	2	16	1	45	14.14	34	16.65 -119	37.60	2.59	B 3.0
					FELT	CARPENTERIA				
1980	2	16	15	9	8.69	32	59.94 -115	34.85	5.27	A 3.8
					FELT	BRAWLEY				
1980	2	16	18	27	26.24	37	31.14 -118	47.81	7.25	C 3.7
1980	2	20	8	53	52.09	34	2.75 -118	57.17	14.58	B 3.0
					FELT	THOUSAND OAKS				
1980	2	22	2	30	42.19	37	30.04 -118	40.37	11.75	C 3.9
					FELT	OWENS VALLEY				
1980	2	22	13	39	19.08	33	14.55 -116	15.09	4.77	B 3.5
1980	2	22	13	39	23.23	33	15.00 -116	15.00	5.00	D* 4.0
1980	2	22	13	45	22.87	33	14.67 -116	14.98	4.85	A 3.2
1980	2	23	0	57	37.04	37	30.38 -118	41.95	7.10	C 3.2
1980	2	25	10	47	38.47	33	29.76 -116	30.85	14.70	A 5.5
					FELT	IMPERIAL TO L.A. CO.				

DATE			TIME			LAT.		LONG.		DEPTH	Q	MAG.
1980	2	25	10	59	25.37	33	29.82	-116	31.73	15.98	B	3.6
1980	2	25	11	5	9.03	33	31.37	-116	31.14	12.44	A	3.3
1980	2	25	11	40	49.44	33	30.56	-116	31.49	11.40	A	3.0
1980	2	25	14	0	7.18	33	29.84	-116	30.43	14.36	A	3.7
1980	2	25	14	51	32.25	33	30.53	-116	31.60	11.50	A	3.3
1980	2	25	19	2	17.06	33	30.20	-116	30.73	15.52	A	3.2
1980	2	25	23	43	32.08	36	12.17	-117	35.16	2.00	D	3.8
1980	2	26	23	42	40.10	32	54.77	-115	34.30	4.50	A	3.2
1980	2	27	1	28	57.72	32	54.61	-115	34.24	4.43	A	3.7
1980	2	27	1	41	52.71	32	54.42	-115	33.90	4.52	A	3.3
1980	2	27	2	34	29.54	32	54.89	-115	34.16	4.59	A	3.0
1980	2	27	2	38	7.16	32	54.89	-115	33.71	5.00	A	3.3
1980	2	29	23	58	53.69	35	16.95	-120	29.07	6.00	C	3.2*
1980	3	6	7	45	25.22	35	34.36	-117	14.03	2.00	C	3.0
1980	3	8	4	27	30.04	31	46.06	-116	1.94	5.33	D	3.4
1980	3	10	1	10	44.20	35	38.81	-119	45.04	6.00	C	3.4
1980	3	10	6	54	21.91	33	53.54	-116	16.76	4.19	A	3.7
FELT PALM SPRINGS, THOUSAND PALMS												
1980	3	10	21	4	29.31	33	53.41	-116	16.75	4.25	A	3.3
1980	3	12	8	8	28.53	33	29.81	-116	31.36	11.19	A	3.0
1980	3	13	11	29	40.38	32	8.12	-115	43.39	5.42	D	3.2
1980	3	15	15	30	46.27	37	36.20	-118	48.92	6.13	C	3.8
1980	3	17	3	41	17.79	35	39.81	-118	3.72	4.99	C	3.1
1980	3	20	11	4	38.47	37	35.39	-118	56.43	5.00	D	3.0
1980	3	20	11	5	42.57	37	37.30	-118	54.51	6.09	C	4.1
1980	3	20	16	42	48.42	37	36.93	-118	55.48	7.49	D	4.0
1980	3	20	22	14	34.13	37	38.07	-118	53.64	7.70	D	3.8
1980	3	20	23	54	12.47	37	38.08	-118	55.02	7.16	D	3.6*
1980	3	21	2	23	45.23	35	50.03	-119	44.05	6.00	D	3.2
1980	3	26	14	41	56.23	37	37.01	-118	54.90	7.34	C	3.9
1980	3	26	16	42	53.80	37	37.36	-118	54.95	5.62	D	3.5
1980	3	27	2	26	4.73	37	37.17	-118	54.24	5.83	C	4.4
FELT LONG VALLEY DAM												
1980	3	27	2	29	14.90	37	37.46	-118	54.07	14.74	D	3.3
1980	3	29	6	14	8.47	37	37.11	-118	55.07	5.74	C	3.5
1980	3	29	7	27	46.52	37	37.73	-118	54.45	6.02	C	3.2
1980	3	29	18	31	19.55	37	40.65	-118	52.30	6.03	C	3.5

DATE	TIME			LAT.	LONG.	DEPTH	Q	MAG.
1980	4	21	13 25	5.51	37 37.32 -118 53.12	7.08	D	3.0
1980	4	25	12 53	14.99	37 35.58 -118 56.01	8.85	D	3.3
1980	4	29	3 0	10.44	32 5.20 -116 19.96	4.97	D	3.0
1980	4	30	7 23	58.09	38 31.23 -118 20.01	5.00	D	3.8
1980	5	7	17 41	27.23	37 34.44 -118 54.22	6.00	D	3.3
1980	5	7	22 22	32.42	37 34.54 -118 54.65	16.53	D	3.3
1980	5	8	18 0	51.95	37 38.37 -118 53.03	6.10	D	3.5
1980	5	9	19 56	39.04	37 31.88 -118 52.80	4.70	D	3.5
1980	5	11	2 19	23.11	34 24.18 -118 19.77	4.55	A	3.2
FELT PASADENA								
1980	5	14	8 2	32.80	37 34.95 -118 51.18	13.28	D	4.0
FELT BISHOP								
1980	5	14	11 18	3.11	37 39.70 -118 49.69	6.00	D	3.2
FELT BISHOP								
1980	5	14	11 41	34.00	37 34.76 -118 52.04	9.68	D	3.4
FELT BISHOP								
1980	5	14	12 3	55.50	37 35.05 -118 52.26	11.11	D	3.3
FELT BISHOP								
1980	5	14	19 48	59.61	37 37.00 -118 55.41	6.88	D	3.9
1980	5	16	2 50	23.82	31 58.34 -116 4.92	5.07	D	3.3
1980	5	17	0 1	14.26	37 37.08 -118 49.82	5.93	C	4.4
1980	5	18	12 47	30.21	37 37.31 -118 53.94	7.29	C	4.2
FELT MAMMOTH LAKES								
1980	5	18	12 50	14.10	37 36.37 -118 53.03	14.66	D	3.3
1980	5	18	18 40	52.27	37 36.97 -118 49.61	3.53	D	3.8
FELT MAMMOTH LAKES								
1980	5	19	0 43	8.32	31 46.21 -116 0.09	5.06	D	3.0
1980	5	19	10 25	18.17	37 37.33 -118 54.50	13.97	D	3.7
1980	5	19	12 53	26.56	37 36.70 -118 52.70	13.68	D	3.4
1980	5	19	18 5	26.41	31 45.48 -116 1.59	6.36	D	3.5
1980	5	19	22 19	8.83	37 37.80 -118 53.63	6.38	C	4.0
1980	5	19	23 16	47.12	37 37.66 -118 54.02	12.62	C	3.5
1980	5	20	0 50	32.77	35 2.29 -119 2.86	2.96	B	3.8
1980	5	20	1 32	50.61	35 3.73 -119 3.33	2.14	A	3.2
1980	5	20	5 22	10.89	37 37.89 -118 53.33	5.38	D	3.2
1980	5	20	18 43	2.44	37 32.03 -118 48.26	4.62	D	3.2
1980	5	20	23 7	13.40	37 36.14 -118 53.39	7.46	D	3.6
1980	5	21	10 27	47.81	37 35.81 -118 50.62	6.00	D	3.2
1980	5	25	4 49	35.00	37 38.06 -118 51.32	3.39	B	4.1
1980	5	25	16 33	44.89	37 36.14 -118 49.77	3.27	B	6.4
FELT MAMMOTH LAKES TO L.A.								
1980	5	25	16 36	12.00	37 37.00 -118 50.00	3.00	D*	4.3*
1980	5	25	16 36	48.46	37 37.00 -118 50.00	3.00	D*	4.3*
1980	5	25	16 37	0.16	37 37.00 -118 50.00	3.00	D*	4.0*
1980	5	25	16 37	20.66	37 37.00 -118 50.00	3.00	D*	4.0*
1980	5	25	16 37	56.06	37 37.00 -118 50.00	3.00	D*	4.1*
1980	5	25	16 38	45.86	37 37.00 -118 50.00	3.00	D*	4.1*
1980	5	25	16 39	40.89	37 37.00 -118 50.00	3.00	D*	4.1*

DATE	TIME			LAT.	LONG.	DEPTH	Q	MAG.
1980	5	25	16 41	57.01	37 32.72 -118 48.42	3.00	D	4.2
1980	5	25	16 45	28.77	37 24.17 -118 56.26	3.00	D	4.1
1980	5	25	16 48	55.22	37 32.45 -118 54.38	10.20	D	3.4
1980	5	25	16 49	27.64	37 36.51 -118 54.85	8.18	D	5.9
1980	5	25	16 52	29.86	37 33.20 -118 48.63	6.13	D	4.3
1980	5	25	16 52	50.74	37 37.00 -118 50.00	3.00	D*	4.1
1980	5	25	16 53	46.64	37 37.00 -118 50.00	3.00	D*	3.9
1980	5	25	16 54	5.14	37 37.00 -118 50.00	3.00	D*	3.7
1980	5	25	16 54	33.34	37 37.00 -118 50.00	3.00	D*	3.5*
1980	5	25	16 56	15.48	37 24.53 -118 57.21	6.00	D	3.9
1980	5	25	16 58	41.96	37 37.00 -118 50.00	3.00	D*	3.5
1980	5	25	16 59	49.24	37 28.71 -118 58.92	6.00	D	4.0
1980	5	25	17 3	30.27	37 30.00 -118 53.52	5.98	D	3.7
1980	5	25	17 5	36.72	37 33.86 -118 53.07	7.90	D	3.2
1980	5	25	17 6	27.93	37 17.58 -118 58.39	5.75	D	4.8
1980	5	25	17 8	28.43	37 37.09 -118 50.89	6.28	D	4.6
1980	5	25	17 11	38.60	37 8.91 -118 36.86	6.00	D	3.8
1980	5	25	17 12	41.47	37 30.52 -118 56.00	10.09	D	3.6
1980	5	25	17 15	30.25	37 33.87 -118 54.24	6.06	D	3.3
1980	5	25	17 16	52.40	37 35.03 -118 52.65	5.02	D	4.1
1980	5	25	17 17	31.15	37 23.49 -118 55.98	5.51	D	3.7
1980	5	25	17 18	23.06	37 27.89 -118 3.74	5.75	D	3.9
1980	5	25	17 21	54.10	37 44.50 -118 12.88	5.81	D	3.5
1980	5	25	17 22	7.98	37 27.12 -118 40.17	6.00	D	3.4
1980	5	25	17 27	11.34	37 32.18 -118 56.05	8.76	D	3.5
1980	5	25	17 32	58.28	37 37.09 -118 57.53	5.93	D	3.4
1980	5	25	17 44	25.64	37 34.90 -118 52.81	6.06	D	3.4
1980	5	25	17 45	35.34	37 28.61 -118 56.65	6.00	D	3.6
1980	5	25	17 45	46.64	37 37.00 -118 50.00	3.00	D*	3.5
1980	5	25	17 45	59.90	37 37.00 -118 50.00	3.00	D*	3.7
1980	5	25	17 46	53.35	37 22.66 -118 57.56	5.94	D	3.7
1980	5	25	17 47	29.86	37 37.00 -118 50.00	3.00	D*	3.5
1980	5	25	17 48	30.01	37 34.61 -118 54.46	0.03	D	4.7
1980	5	25	17 54	39.69	37 36.55 -119 1.57	6.00	D	3.6
1980	5	25	18 5	44.85	37 36.87 -118 52.73	10.08	D	3.9
1980	5	25	18 11	39.17	37 32.77 -118 54.05	8.84	D	3.5
1980	5	25	18 13	58.13	37 33.74 -118 54.12	5.59	D	4.1
1980	5	25	18 29	23.34	37 37.27 -118 53.28	5.02	D	3.1
1980	5	25	18 34	15.06	37 33.81 -118 54.12	0.11	C	4.2
1980	5	25	18 45	0.31	37 36.07 -118 52.60	7.54	D	3.8
1980	5	25	18 47	20.91	37 35.83 -118 54.66	7.73	D	3.2
1980	5	25	19 3	49.05	33 20.47 -116 23.14	12.31	A	3.7
1980	5	25	19 4	34.38	37 32.93 -118 54.32	2.43	C	4.4
1980	5	25	19 9	58.50	37 31.15 -118 58.02	1.83	D	3.2
1980	5	25	19 12	4.91	37 33.66 -118 55.05	4.68	D	3.3
1980	5	25	19 19	23.80	37 33.40 -118 54.49	12.42	D	3.3
1980	5	25	19 31	48.09	37 35.10 -118 51.36	10.20	D	3.7
1980	5	25	19 35	21.82	37 26.68 -118 56.71	5.08	D	3.6

DATE	TIME			IAT.	LONG.		DEPTH	Q	MAG.
1980	5	25	19 41 23.52	37 34.50	-118	54.17	3.38	D	4.5
1980	5	25	19 44 51.64	37 32.53	-118	49.69	6.94	C	6.6
1980	5	25	19 49 54.26	37 33.00	-118	50.00	6.00	D*	4.1
1980	5	25	19 51 53.22	37 30.88	-118	50.99	4.64	D	3.9
1980	5	25	19 54 59.92	37 30.59	-118	53.60	5.14	D	3.9
1980	5	25	19 56 35.28	37 22.32	-118	53.69	3.04	D	3.2
1980	5	25	20 10 39.14	37 31.60	-118	52.38	11.59	D	3.3
1980	5	25	20 12 22.34	37 28.31	-118	52.56	9.42	D	3.8
1980	5	25	20 23 26.14	37 37.86	-118	53.88	5.00	C	4.7
1980	5	25	20 28 45.18	37 34.37	-118	52.70	8.77	D	3.3
1980	5	25	20 34 49.53	37 30.73	-118	53.11	6.00	D	3.4
1980	5	25	20 35 48.70	37 36.67	-118	52.75	5.33	C	5.6
1980	5	25	20 37 38.07	37 35.00	-118	53.00	6.00	D*	3.7
1980	5	25	20 38 41.53	37 28.32	-118	53.10	13.37	D	4.5
1980	5	25	20 44 42.72	37 31.06	-118	54.53	8.57	D	3.7
1980	5	25	20 47 51.19	37 34.52	-118	51.40	13.14	D	3.6
1980	5	25	20 59 23.26	37 34.47	-118	49.92	5.02	C	5.1
1980	5	25	21 8 49.20	37 33.30	-118	51.98	15.92	L	3.1
1980	5	25	21 14 6.30	37 30.96	-118	52.55	5.80	D	3.4
1980	5	25	21 17 26.13	37 31.97	-118	56.21	10.03	D	3.7
1980	5	25	21 20 8.29	37 31.19	-118	51.88	10.69	D	3.7
1980	5	25	21 20 53.14	37 36.07	-118	54.46	14.31	D	3.8
1980	5	25	21 25 53.95	37 30.45	-118	50.12	6.00	D	3.5
1980	5	25	21 47 15.85	37 29.55	-118	51.02	7.66	B	4.0
1980	5	25	22 0 0.69	37 32.44	-118	51.37	6.09	D	3.3
1980	5	25	22 10 34.62	37 29.67	-118	50.59	5.00	D	4.2
1980	5	25	22 29 19.32	37 35.13	-118	50.50	8.23	D	3.6
1980	5	25	22 33 37.82	37 28.19	-118	52.36	8.79	C	3.9
1980	5	25	22 43 35.99	37 36.25	-118	53.90	9.54	D	3.3
1980	5	25	22 44 5.31	37 37.08	-119	1.06	6.92	L	4.1
1980	5	25	22 46 20.53	37 30.84	-118	58.49	5.97	D	3.7
1980	5	25	22 53 5.97	37 28.06	-118	53.03	5.58	D	3.1
1980	5	25	23 55 45.46	37 33.80	-118	58.11	8.08	D	3.7
1980	5	25	23 59 19.21	37 32.10	-118	53.50	9.86	D	3.9
1980	5	26	0 57 3.56	37 33.78	-118	57.50	12.64	D	4.5
1980	5	26	1 19 2.64	37 35.25	-118	58.36	5.61	D	4.8
1980	5	26	1 29 21.53	37 30.31	-118	54.87	10.38	D	3.2
1980	5	26	2 6 33.47	37 33.96	-118	57.52	11.00	D	3.3
1980	5	26	2 7 50.51	37 33.40	-118	58.17	12.54	D	3.2
1980	5	26	2 9 4.83	37 36.64	-118	52.47	10.01	D	3.8
1980	5	26	2 10 29.79	37 23.35	-118	53.41	7.00	D	3.2
1980	5	26	2 23 48.42	37 29.50	-118	52.91	11.91	D	3.3
1980	5	26	2 36 13.18	37 29.87	-118	52.76	9.43	D	3.1
1980	5	26	2 41 23.73	37 33.09	-118	54.53	5.39	D	3.3
1980	5	26	2 46 39.10	37 35.53	-118	55.42	11.94	D	3.1
1980	5	26	2 50 31.92	37 32.35	-118	51.76	13.26	D	3.0
1980	5	26	2 54 31.92	37 28.45	-118	52.21	14.73	D	3.3
1980	5	26	3 0 0.47	37 31.92	-118	51.88	10.93	D	3.2

DATE	TIME			LAT.	LONG.		DEPTH	Q	MAG.
1980	5	26	3 6	29.57	37	28.02	-118 52.00	10.01	D 3.2
1980	5	26	3 12	38.72	37	35.46	-118 55.80	16.02	D 3.1
1980	5	26	3 16	41.72	37	32.00	-118 56.36	5.53	D 3.0
1980	5	26	3 19	4.06	37	29.82	-118 52.22	7.37	D 3.3
1980	5	26	3 24	30.07	37	33.40	-118 52.67	2.77	D 3.7
1980	5	26	3 31	9.39	37	35.12	-118 53.96	6.02	D 3.2
1980	5	26	3 49	8.33	37	35.32	-118 51.28	9.01	D 4.0
1980	5	26	4 2	33.23	37	34.20	-118 51.22	12.33	D 3.5
1980	5	26	4 20	38.72	37	33.35	-118 51.42	9.12	D 3.5
1980	5	26	4 36	54.69	37	35.42	-118 49.20	3.05	B 4.0
1980	5	26	4 47	15.85	37	32.59	-118 54.97	8.91	D 3.9
1980	5	26	5 12	47.08	37	29.73	-118 51.19	16.32	D 3.3
1980	5	26	5 45	3.70	37	34.71	-118 51.51	10.63	D 3.6
1980	5	26	5 56	27.11	37	35.01	-118 51.04	3.48	C 4.6
1980	5	26	6 2	30.80	37	33.26	-118 58.07	10.63	D 3.3
1980	5	26	6 3	59.18	37	30.77	-118 52.48	7.36	D 3.6
1980	5	26	6 21	10.79	37	33.38	-118 51.62	5.61	D 3.3
1980	5	26	6 43	47.41	37	33.11	-118 51.99	13.56	D 4.1
1980	5	26	6 53	33.14	37	32.78	-118 51.36	11.39	D 3.3
1980	5	26	7 1	47.82	37	30.78	-118 56.75	6.65	D 3.3
1980	5	26	7 2	46.95	37	30.24	-118 51.49	10.83	C 3.7
1980	5	26	7 14	52.37	37	34.05	-118 59.13	7.24	D 3.2
1980	5	26	7 18	38.31	37	35.13	-118 55.73	9.05	D 3.7
1980	5	26	7 21	2.89	37	36.99	-118 56.28	5.84	D 3.5
1980	5	26	7 42	2.44	37	36.56	-118 54.81	5.90	D 3.3
1980	5	26	7 42	49.96	37	27.81	-118 52.11	5.36	D 3.9
1980	5	26	7 43	43.22	37	23.79	-118 54.35	5.36	D 3.6
1980	5	26	8 5	7.29	37	37.73	-118 57.47	4.69	D 3.5
1980	5	26	9 8	54.91	37	34.40	-118 51.96	9.95	D 3.3
1980	5	26	9 41	21.81	37	33.20	-118 52.54	10.05	D 3.0
1980	5	26	10 20	31.59	37	36.49	-118 47.21	3.88	B 4.5
1980	5	26	10 40	57.47	37	28.66	-118 57.32	15.04	D 3.8
1980	5	26	10 56	54.90	37	34.77	-118 51.95	9.20	C 3.5
1980	5	26	11 4	4.00	37	36.72	-118 47.55	3.69	B 4.2
1980	5	26	11 24	30.85	37	34.28	-118 50.35	11.41	D 3.2
1980	5	26	11 47	38.86	37	35.15	-118 54.10	15.64	D 3.4
1980	5	26	12 22	33.70	37	31.00	-118 51.35	9.09	C 3.4
1980	5	26	12 24	25.65	37	34.15	-118 52.41	4.99	C 5.2
1980	5	26	12 50	50.20	37	30.87	-118 54.54	8.07	D 3.4
1980	5	26	12 54	8.17	37	34.84	-118 58.57	5.66	D 3.1
1980	5	26	13 4	20.38	37	31.11	-118 53.50	7.19	C 4.1
1980	5	26	13 55	29.36	37	34.81	-118 49.80	8.71	D 3.4
1980	5	26	13 57	25.42	37	36.91	-118 52.96	5.76	C 3.9
1980	5	26	14 4	6.21	37	32.90	-118 54.57	5.98	D 3.3
1980	5	26	14 16	18.37	37	34.36	-118 50.38	7.30	D 3.0
1980	5	26	14 31	21.72	37	38.03	-118 56.06	5.26	D 3.2
1980	5	26	14 37	31.41	37	32.16	-118 52.65	5.60	C 4.2
1980	5	26	15 6	23.75	37	39.61	-118 52.80	11.99	D 3.1

DATE	TIME			LAT.	LONG.	DEPTH	Q	MAG.
1980	5	26	15 50	33.51	37 33.39 -118 49.68	7.21	B	3.8
1980	5	26	15 55	55.31	37 30.28 -118 51.56	5.49	D	3.2
1980	5	26	16 4	43.07	37 29.71 -118 51.28	5.86	D	3.1
1980	5	26	16 17	17.92	37 30.34 -118 55.39	7.99	D	3.4
1980	5	26	16 20	22.25	37 32.78 -118 56.52	5.00	C	4.6
1980	5	26	17 38	3.37	37 34.73 -118 54.09	2.00	D	3.9
1980	5	26	17 40	5.06	37 34.28 -118 53.73	5.66	D	3.3
1980	5	26	17 50	25.14	37 36.56 -118 54.45	5.87	D	3.3
1980	5	26	18 19	3.00	37 36.01 -118 50.52	3.01	D	3.0
1980	5	26	18 55	37.76	37 29.72 -118 56.27	7.86	D	3.4
1980	5	26	18 57	56.17	37 31.90 -118 52.40	2.00	B	5.0
1980	5	26	19 7	12.82	37 35.98 -118 49.23	6.02	D	3.4
1980	5	26	19 10	38.62	37 34.31 -118 53.20	1.49	D	3.4
1980	5	26	19 21	52.12	37 29.16 -118 53.83	5.10	D	3.2
1980	5	26	19 24	9.69	37 30.79 -118 53.23	0.54	B	4.2
1980	5	26	19 44	31.63	37 39.20 -118 53.78	5.44	C	3.6
1980	5	26	19 52	40.53	37 32.33 -118 53.20	4.90	D	3.4
1980	5	26	20 1	31.35	37 31.60 -118 52.99	3.67	D	3.4
1980	5	26	20 3	40.59	37 34.27 -118 53.22	2.50	B	3.8
1980	5	26	20 55	31.56	37 32.65 -118 52.31	6.87	D	3.1
1980	5	26	21 42	10.19	37 33.93 -118 55.23	5.98	D	3.5
1980	5	26	21 57	42.34	37 33.81 -118 54.06	3.19	A	3.1
1980	5	26	21 58	9.63	37 37.22 -118 51.47	4.10	B	3.8
1980	5	26	22 35	42.59	37 35.63 -118 54.56	4.67	C	3.3
1980	5	26	23 19	27.33	37 30.93 -118 52.79	1.30	A	3.4
1980	5	27	0 24	6.42	37 28.79 -118 55.03	5.21	D	3.4
1980	5	27	0 43	17.76	37 34.24 -118 52.22	5.16	B	3.6
1980	5	27	1 19	41.17	37 37.38 -118 53.81	3.98	A	3.5
1980	5	27	2 1	17.71	37 33.23 -118 50.77	2.56	B	3.3
1980	5	27	2 21	24.03	37 37.92 -118 50.71	5.47	D	3.5
1980	5	27	2 22	14.78	37 37.90 -118 51.37	6.55	A	3.6
1980	5	27	3 43	49.28	37 34.24 -118 52.11	3.98	A	3.8
1980	5	27	4 7	13.08	37 33.86 -118 49.75	6.20	D	3.5
1980	5	27	4 22	1.64	37 29.57 -118 50.67	4.18	A	3.5
1980	5	27	5 29	10.45	37 31.89 -118 54.23	10.11	D	3.0
1980	5	27	5 36	38.63	37 33.52 -118 51.03	5.44	D	3.3
1980	5	27	5 44	57.24	37 36.15 -118 54.04	5.08	C	3.8
1980	5	27	6 15	37.17	37 31.83 -118 53.78	1.59	C	3.5
1980	5	27	6 36	53.39	37 30.41 -118 52.18	0.85	A	3.8
1980	5	27	6 46	41.79	37 35.88 -118 56.18	1.19	A	3.7
1980	5	27	7 2	1.74	37 34.90 -118 56.20	7.95	D	3.5
1980	5	27	7 30	0.47	37 33.24 -118 57.16	11.98	D	3.1
1980	5	27	9 9	31.15	37 37.15 -118 51.33	5.80	B	4.1
1980	5	27	10 27	31.02	37 37.98 -118 51.92	5.07	D	3.7
1980	5	27	10 29	11.90	37 29.12 -118 54.92	5.37	D	3.4
1980	5	27	11 33	47.41	37 38.46 -118 55.65	3.71	D	3.4
1980	5	27	13 10	27.74	37 35.97 -118 47.89	4.62	B	3.9
1980	5	27	13 27	7.24	37 30.88 -118 52.93	0.02	A	3.9

DATE		TIME		LAT.	LONG.	DEPTH	Q	MAG.
1980	5	27	13 38	51.67	37 34.36 -118 50.07	6.04	D	3.3
1980	5	27	14 50	57.27	37 28.36 -118 48.71	5.91	B	6.4
			FELT	STOCKTON	TO L.A. AREA			
1980	5	27	14 58	41.47	37 30.36 -118 54.25	6.00	D	3.6
1980	5	27	15 1	12.02	37 29.79 -118 48.21	8.06	B	3.9
1980	5	27	15 5	39.54	37 28.84 -118 49.22	5.00	D	3.7
1980	5	27	15 11	18.40	37 30.78 -118 50.89	7.78	D	3.3
1980	5	27	15 13	46.79	37 29.79 -118 49.23	4.80	A	4.1
1980	5	27	15 17	28.61	37 28.38 -118 52.77	7.90	D	3.5
1980	5	27	15 41	46.89	37 28.71 -118 49.06	1.82	C	4.3
1980	5	27	16 1	46.43	37 34.98 -118 48.69	8.49	D	3.5
1980	5	27	16 9	54.03	37 31.72 -118 47.61	1.73	B	3.5
1980	5	27	16 10	38.30	37 33.60 -118 52.17	0.41	B	3.8
1980	5	27	16 35	45.79	37 27.32 -118 49.53	1.13	B	3.6
1980	5	27	16 45	54.33	37 34.75 -118 49.45	8.82	D	3.6
1980	5	27	16 49	11.95	37 30.26 -118 53.29	1.98	D	3.4
1980	5	27	17 9	59.06	37 29.27 -118 48.55	5.05	B	4.3
1980	5	27	17 34	34.82	37 26.81 -118 49.63	7.27	D	3.3
1980	5	27	17 43	16.96	37 26.06 -118 50.51	5.96	D	3.4
1980	5	27	17 47	38.50	37 32.38 -118 53.54	6.07	D	3.7
1980	5	27	18 36	9.21	37 26.73 -118 50.19	5.00	C	3.9
1980	5	27	19 1	8.25	37 35.56 -118 46.78	2.98	A	5.0
1980	5	27	19 47	22.23	37 35.95 -118 48.53	2.84	D	3.5
1980	5	27	19 59	56.87	37 35.62 -118 51.18	0.17	D	3.2
1980	5	27	20 0	47.14	37 35.13 -118 53.57	5.69	D	3.7
1980	5	27	21 34	54.41	37 30.19 -118 48.47	6.92	B	4.5
1980	5	27	23 41	3.79	37 33.21 -118 51.23	4.87	A	4.0
1980	5	27	23 57	43.64	37 32.94 -118 53.54	2.09	A	3.8
1980	5	28	0 8	19.44	37 27.17 -118 49.51	7.47	D	3.5
1980	5	28	1 55	8.29	37 27.52 -118 50.07	6.10	D	3.2
1980	5	28	3 26	36.24	37 33.66 -118 50.15	5.23	D	3.2
1980	5	28	4 2	58.69	37 35.64 -118 47.33	3.10	A	3.9
1980	5	28	4 22	11.21	37 32.61 -118 54.76	0.12	A	3.7
1980	5	28	5 16	23.27	37 34.03 -118 53.21	2.53	A	4.8
1980	5	28	5 48	30.20	37 34.15 -118 54.72	0.01	C	4.7
1980	5	28	6 7	43.58	37 35.63 -118 54.65	3.42	B	3.6
1980	5	28	6 13	5.87	37 38.13 -118 51.93	4.77	B	3.5
1980	5	28	6 34	51.74	37 32.96 -118 56.58	6.00	D	3.2
1980	5	28	6 49	19.51	37 38.26 -118 51.45	4.47	A	3.4
1980	5	28	7 51	46.06	37 35.17 -118 53.88	10.86	D	3.3
1980	5	28	9 20	31.31	37 32.60 -118 49.09	9.92	D	3.4
1980	5	28	10 13	2.96	37 28.98 -118 51.29	6.00	D	3.7
1980	5	28	11 54	37.78	37 27.64 -118 49.04	2.49	A	4.2
1980	5	28	14 6	30.15	37 31.30 -118 47.29	4.50	B	3.6
1980	5	28	14 18	22.48	37 27.80 -118 50.71	5.00	C	3.8
1980	5	28	15 0	8.67	37 31.56 -118 54.53	10.81	D	3.2
1980	5	28	15 42	39.76	37 27.09 -118 50.97	10.72	D	3.6
1980	5	28	15 45	16.91	37 32.26 -118 55.55	6.53	D	3.2

DATE	TIME			IAT.	LONG.		DEPTH	Q	MAG.
1980	5	28	17 32	22.29	37	30.93	-118 55.53	7.70	D 3.2
1980	5	28	18 35	10.02	37	28.52	-118 49.89	8.55	C 3.1
1980	5	28	18 37	18.98	37	33.82	-118 54.56	5.25	D 3.5
1980	5	28	23 7	22.45	37	35.26	-119 2.88	4.92	D 3.4
1980	5	28	23 7	45.04	37	27.69	-118 54.21	6.00	D 3.5
1980	5	28	23 17	16.49	37	32.81	-118 54.14	6.00	D 3.2
1980	5	28	23 50	20.57	37	29.92	-118 51.72	14.09	D 3.2
1980	5	29	3 38	48.45	34	58.52	-120 42.86	6.00	C 4.6
FELT SANTA MARIA									
1980	5	29	4 17	41.61	37	29.83	-118 49.78	9.29	B 3.3
1980	5	29	4 18	52.80	37	31.78	-118 49.24	8.44	A 3.8
1980	5	29	4 33	35.65	37	28.34	-118 51.24	6.00	D 3.2
1980	5	29	4 42	30.61	37	34.37	-118 48.47	6.04	D 3.1
1980	5	29	4 58	56.66	37	30.52	-118 53.54	0.08	A 3.5
1980	5	29	5 55	43.81	37	29.81	-118 52.43	1.84	A 3.5
1980	5	29	7 32	21.08	37	28.88	-118 48.67	3.31	A 3.5
1980	5	29	9 47	38.30	37	34.83	-118 51.62	5.98	D 3.5
1980	5	29	10 39	38.86	37	34.52	-118 54.64	14.05	D 3.2
1980	5	29	13 36	33.33	37	31.26	-118 55.04	6.28	D 3.2
1980	5	29	14 0	26.93	37	29.16	-118 52.30	8.95	D 3.4
1980	5	29	15 16	5.74	37	34.58	-118 50.51	6.02	D 3.0
1980	5	29	15 20	34.92	37	28.78	-118 52.43	11.46	C 3.1
1980	5	29	16 1	45.77	37	36.40	-118 52.23	15.70	D 3.3
1980	5	29	16 14	9.52	37	35.50	-118 56.18	13.49	C 3.3
1980	5	29	16 56	56.77	37	30.12	-118 52.37	2.38	A 3.6
1980	5	29	17 21	1.32	37	30.78	-118 50.47	2.72	A 4.1
1980	5	29	18 24	45.43	37	36.06	-118 54.14	12.33	D 3.2
1980	5	29	18 53	57.88	37	22.74	-118 54.39	5.69	D 3.4
1980	5	29	18 55	10.17	37	34.41	-118 50.59	9.85	D 3.5
1980	5	30	4 11	47.72	37	32.87	-119 7.07	6.08	D 3.1
1980	5	30	5 13	49.35	37	32.61	-118 55.73	5.50	D 3.1
1980	5	30	7 8	22.22	37	27.99	-118 49.83	7.92	C 3.4
1980	5	30	11 14	4.59	37	30.68	-118 50.15	6.83	D 3.6
1980	5	30	12 1	52.89	37	31.04	-118 51.85	3.56	A 3.8
1980	5	30	13 40	52.88	37	33.91	-118 50.02	6.03	D 3.1
1980	5	30	15 41	58.05	37	33.60	-118 53.45	0.02	A 3.7
1980	5	30	15 49	2.29	37	31.85	-118 47.16	3.03	A 3.6
1980	5	30	19 49	2.91	37	34.42	-118 52.07	4.86	A 3.8
1980	5	30	23 2	32.67	37	32.91	-118 50.28	5.00	D 3.4
1980	5	31	0 58	17.73	37	29.67	-118 51.25	1.83	B 4.6
1980	5	31	8 5	19.94	37	33.54	-118 49.77	6.82	B 4.1
1980	5	31	10 11	31.11	37	35.36	-118 49.13	2.71	B 4.0
1980	5	31	10 14	32.05	37	33.74	-118 51.67	6.04	D 3.1
1980	5	31	13 13	40.99	37	34.77	-118 50.83	3.48	D 3.3
1980	5	31	14 20	51.81	37	35.01	-118 57.16	8.00	D 3.2
1980	5	31	15 16	12.50	37	34.74	-118 48.70	10.18	D 4.9
1980	5	31	15 20	21.03	37	31.49	-118 49.63	8.51	D 3.9
1980	5	31	15 30	53.88	37	34.14	-118 49.15	6.61	D 3.9

DATE	TIME	LAT.	LONG.	DEPTH	Q	MAG.
1980	5 31 15 35	18.64	37 34.73 -118 48.72	10.86	D	3.3
1980	5 31 19 48	58.24	37 37.93 -118 57.39	5.20	D	3.1
1980	5 31 19 56	7.67	37 35.83 -118 58.73	2.88	C	3.2
1980	5 31 23 15	29.68	37 36.42 -118 50.00	8.84	B	3.9
1980	6 1 0 57	37.54	37 35.25 -118 56.29	6.01	C	3.4
1980	6 1 3 17	44.87	37 29.98 -118 52.25	5.48	L	3.4
1980	6 1 3 34	30.16	37 32.39 -118 55.56	5.98	D	3.1
1980	6 1 6 47	36.98	37 27.53 -118 52.10	8.83	C	4.2
1980	6 1 7 0	17.08	37 27.73 -118 52.23	7.61	D	3.4
1980	6 1 7 47	18.29	37 35.29 -118 57.34	7.64	C	3.3
1980	6 1 12 20	59.92	37 36.02 -118 46.51	4.91	D	3.4
1980	6 1 13 8	25.36	37 35.21 -118 50.31	9.76	D	3.3
1980	6 1 14 59	5.96	37 37.56 -118 55.79	5.87	D	3.3
1980	6 1 17 27	25.55	37 34.09 -118 47.57	6.05	C	3.8
1980	6 1 17 50	12.80	37 36.36 -118 57.12	6.08	D	3.3
1980	6 1 22 30	23.14	37 36.55 -118 54.53	9.24	D	3.9
1980	6 1 23 34	15.87	37 26.36 -118 51.37	13.58	D	3.4
1980	6 2 6 39	48.22	37 33.06 -118 52.77	7.95	D	3.6
1980	6 2 10 22	21.44	37 34.51 -118 56.74	7.15	D	4.2
1980	6 2 16 19	4.86	37 35.01 -118 56.95	5.94	D	3.2
1980	6 2 20 34	14.42	37 33.23 -118 54.03	10.83	D	3.8
1980	6 3 2 35	45.93	37 32.95 -118 53.96	8.49	D	3.4
1980	6 3 16 43	25.99	32 5.11 -116 11.45	5.27	D	3.0*
1980	6 3 16 43	38.64	34 30.43 -118 28.49	16.09	A	3.5
FELT N. HOLLYWOOD						
1980	6 3 17 34	13.10	37 29.81 -118 51.37	6.94	D	3.3
1980	6 4 8 34	20.86	37 27.51 -118 50.40	7.56	D	3.4
1980	6 4 17 9	44.96	37 32.44 -118 56.14	11.13	D	3.0
1980	6 4 19 9	22.63	37 30.36 -118 55.39	13.12	L	3.4
1980	6 4 21 0	20.66	37 35.66 -118 57.11	6.00	D	3.2
1980	6 5 8 59	17.75	37 28.14 -118 50.70	7.57	D	3.2
1980	6 5 19 41	2.66	37 32.40 -118 55.10	6.87	D	4.0
1980	6 6 16 26	12.22	37 31.26 -118 57.15	9.26	D	3.1
1980	6 6 17 16	15.93	37 25.61 -118 50.90	9.74	D	3.7
1980	6 7 1 31	45.68	37 39.13 -118 54.45	2.95	D	3.2
1980	6 7 1 31	59.03	37 35.65 -118 56.61	12.66	L	3.9
1980	6 7 3 16	42.46	37 30.56 -118 46.44	9.89	D	3.2
1980	6 7 7 38	46.33	37 35.26 -118 56.28	10.89	L	3.4
1980	6 7 10 30	6.63	37 29.63 -118 49.50	8.10	D	3.5
1980	6 7 18 30	1.87	37 35.65 -118 57.92	5.48	D	3.4
1980	6 7 22 23	37.73	37 38.44 -118 58.01	6.00	D	3.1
1980	6 7 22 25	41.22	37 28.94 -118 52.99	6.29	D	3.2
1980	6 7 23 17	53.69	37 36.33 -118 54.48	10.85	D	4.2
1980	6 8 6 25	27.78	37 32.48 -118 52.51	7.87	D	3.7
1980	6 8 8 40	28.98	32 14.27 -115 11.18	5.10	D	3.5
1980	6 8 16 40	30.36	37 37.38 -118 54.72	5.65	L	3.0
1980	6 8 23 22	21.51	37 28.32 -118 50.92	14.37	D	4.2
1980	6 9 3 28	19.57	32 12.29 -115 5.04	4.90	D	6.1

FELT BAJA CALIF. TO L.A.

DATE	TIME			LAT.	LONG.		DEPTH	Q	MAG.
1980	6	9	3 44	36.09	32	20.00 -115	10.00	5.00	D* 3.4
1980	6	9	3 48	39.35	32	24.11 -115	13.34	5.00	D 4.0
1980	6	9	4 5	14.16	32	18.74 -115	8.48	5.00	D 3.8
1980	6	9	4 18	24.23	32	23.56 -115	12.07	5.00	D 3.8
1980	6	9	4 29	32.33	32	25.45 -115	12.40	5.75	D 3.5
1980	6	9	4 53	34.06	32	23.99 -115	12.84	6.07	C 4.0
1980	6	9	7 19	42.35	32	21.55 -115	8.11	5.00	D 3.4
1980	6	9	7 25	24.11	32	19.05 -115	9.67	5.00	D 3.6*
1980	6	9	8 5	49.99	37	28.28 -118	52.97	8.89	D 3.2
1980	6	9	8 19	55.92	32	20.02 -115	6.84	5.01	D 3.1*
1980	6	9	10 0	43.42	32	19.12 -115	8.16	5.00	D 4.5
1980	6	9	10 45	30.05	32	19.80 -115	9.52	5.00	C 3.5
1980	6	9	19 47	55.00	32	23.45 -115	10.54	5.00	C 3.2
1980	6	9	20 31	34.11	32	19.06 -115	7.47	5.00	C 3.9
1980	6	9	20 41	38.32	32	18.99 -115	8.69	4.99	D 3.0*
1980	6	9	23 26	19.20	32	18.83 -115	10.14	5.02	D 3.1
1980	6	9	23 33	41.10	32	21.90 -115	12.24	5.00	C 4.5
1980	6	9	23 37	21.80	32	18.00 -115	8.00	5.00	D* 3.7
1980	6	10	0 17	37.06	32	21.23 -115	12.07	5.00	C 3.3*
1980	6	10	0 17	55.75	32	18.00 -115	8.00	5.00	D* 3.4*
1980	6	10	0 36	51.11	32	23.25 -115	11.61	5.01	D 3.4*
1980	6	10	1 7	8.71	32	20.39 -115	12.77	5.00	D 3.6*
1980	6	10	1 35	36.59	32	22.39 -115	12.31	5.00	C 3.4*
1980	6	10	5 36	23.74	32	24.51 -115	12.90	0.36	C 3.5*
1980	6	10	7 2	25.25	32	23.62 -115	11.05	5.27	D 3.3*
1980	6	10	15 21	36.21	37	34.72 -118	48.42	6.09	D 3.4
1980	6	10	19 16	15.71	32	30.26 -115	15.75	5.61	C 3.1*
1980	6	10	22 15	32.55	37	29.79 -118	47.06	12.23	D 3.4
1980	6	11	3 4	47.39	37	38.11 -118	53.00	4.99	D 3.4
1980	6	11	4 40	59.19	37	32.89 -118	54.40	8.64	C 4.9
1980	6	11	4 42	25.90	37	28.24 -118	47.10	6.00	D 3.6
1980	6	11	4 47	36.24	37	34.37 -118	54.65	5.59	D 3.6
1980	6	11	13 10	9.44	32	27.66 -115	13.48	5.00	C 3.1*
1980	6	11	13 26	20.03	32	20.06 -115	9.67	0.55	D 3.5*
1980	6	11	15 32	21.81	32	24.02 -115	12.87	5.00	D 3.1*
1980	6	11	17 10	23.29	37	37.81 -118	52.28	5.48	D 3.8
1980	6	11	18 59	41.04	32	24.97 -118	12.47	5.00	D 3.1*
1980	6	11	22 39	31.86	37	28.45 -118	48.94	6.00	D 3.3
1980	6	12	0 55	56.05	37	31.45 -118	55.00	10.37	C 3.3
1980	6	12	10 22	42.06	37	37.00 -118	54.99	8.26	D 3.3
1980	6	13	2 36	26.01	37	32.92 -118	53.85	9.09	D 3.1
1980	6	13	14 56	59.38	37	37.56 -118	54.46	5.10	C 4.0
1980	6	13	21 13	43.61	37	31.86 -118	50.63	6.31	C 3.2
1980	6	13	23 23	20.62	37	29.00 -118	49.73	14.75	C 4.1
1980	6	14	3 36	33.33	37	35.06 -118	52.34	10.18	D 3.5
1980	6	14	5 47	48.31	37	37.50 -118	54.71	5.39	D 3.4
1980	6	14	7 35	55.75	37	29.71 -118	49.31	11.51	C 3.7
1980	6	14	22 0	55.85	32	21.64 -115	10.76	5.00	D 3.6

DATE	TIME			LAT.	LONG.		DEPTH	Q	MAG.
1980	6	16	0 14	49.36	32	21.42 -115	14.46	2.60	D 3.1*
1980	6	16	8 22	39.08	37	37.73 -118	51.46	7.32	C 3.6
1980	6	17	12 26	39.96	37	30.89 -118	53.99	5.95	D 3.4
1980	6	17	12 27	13.33	37	30.00 -118	54.00	6.00	D* 3.6
1980	6	18	18 55	38.49	37	30.04 -118	52.16	13.97	D 3.4
1980	6	19	4 45	32.66	37	28.78 -118	53.63	7.38	D 3.2
1980	6	19	7 18	2.63	37	31.56 -118	56.34	12.13	D 3.0
1980	6	19	7 22	26.27	37	33.17 -118	55.30	6.00	D 3.2
1980	6	19	14 4	30.59	37	37.80 -118	51.97	6.09	D 3.5
1980	6	19	22 26	17.43	37	38.18 -118	55.45	6.33	D 3.6
1980	6	20	17 24	7.99	37	32.55 -118	55.60	5.45	C 3.7
1980	6	21	22 1	10.69	37	32.11 -118	54.18	10.66	D 3.4
1980	6	23	5 16	53.35	37	34.96 -118	50.86	8.43	C 3.7
1980	6	23	6 32	22.36	37	33.84 -118	50.54	14.33	D 3.8
1980	6	23	21 11	40.24	34	6.34 -117	28.52	4.91	A 3.2
FELT RIVERSIDE, REDLANDS									
1980	6	24	2 29	27.72	32	23.82 -115	9.88	0.12	D 3.1*
1980	6	24	21 44	42.38	37	33.83 -118	50.23	5.62	D 3.1
1980	6	25	22 32	19.35	34	1.07 -116	44.92	15.42	A 3.0
1980	6	27	1 29	29.83	37	35.19 -118	51.78	5.93	C 3.7
1980	6	27	13 21	1.03	37	29.52 -118	52.44	9.28	C 3.3
1980	6	28	0 57	34.51	37	34.45 -118	50.38	5.90	C 3.6
1980	6	28	0 58	43.11	37	33.28 -118	50.59	12.17	D 4.2
1980	6	28	3 53	2.01	37	35.13 -118	50.01	6.08	C 3.5
1980	6	29	4 16	13.52	37	31.45 -118	51.12	5.96	D 3.0
1980	6	29	7 46	13.89	38	2.41 -118	40.96	5.40	D 4.7
1980	6	29	7 59	11.17	37	34.53 -118	52.87	9.64	D 3.3
1980	6	29	13 49	1.30	38	1.87 -118	41.40	8.58	D 3.3
1980	6	29	18 4	58.85	38	2.14 -118	40.67	6.90	D 3.7
1980	6	30	1 49	15.17	37	36.31 -118	55.77	8.95	C 3.6
1980	6	30	2 9	44.36	37	27.44 -118	50.02	9.31	C 3.7
1980	6	30	2 40	27.72	32	21.26 -115	8.69	5.00	C 3.0
1980	6	30	9 21	20.05	37	38.19 -118	53.04	8.24	C 3.6
1980	6	30	10 23	1.62	38	2.26 -118	41.04	5.25	D 3.8
1980	6	30	22 29	1.67	32	58.38 -119	2.61	5.00	D 3.3
1980	7	1	6 38	14.57	37	33.33 -118	51.19	10.27	C 3.6
1980	7	1	6 43	52.26	37	34.83 -118	54.64	10.64	D 3.3
1980	7	1	10 50	51.16	36	2.36 -118	19.18	1.00	C 3.2
1980	7	1	14 25	13.12	37	36.21 -118	55.30	13.87	C 3.7
1980	7	2	4 13	53.97	37	31.08 -118	51.47	3.08	D 3.9
1980	7	3	2 19	31.68	37	39.01 -118	56.12	3.35	D 3.5
1980	7	3	2 19	37.01	37	29.00 -118	58.47	5.80	D 4.2
1980	7	3	2 21	51.80	37	37.91 -118	58.62	3.44	D 3.7
1980	7	3	2 39	59.42	37	38.85 -118	59.74	10.52	D 4.4
1980	7	3	3 8	12.94	37	30.94 -118	53.06	6.41	D 3.2
1980	7	3	6 0	22.44	37	38.44 -118	57.15	4.81	D 3.8
1980	7	3	7 5	38.65	37	37.95 -118	57.46	6.48	D 3.8
1980	7	4	17 21	1.02	37	31.19 -118	48.82	15.80	D 3.6

DATE		TIME			LAT.		LONG.		DEPTH	Q	MAG.
1980	7	5	11	58	59.49	37	36.95	-118 49.73	5.19	C	4.4
1980	7	5	12	14	51.49	37	37.06	-118 49.06	5.37	D	3.4
1980	7	5	12	26	13.72	37	36.09	-118 49.43	5.42	D	3.1
1980	7	5	13	43	7.38	37	33.60	-118 52.21	10.13	D	3.1
1980	7	5	14	19	26.50	37	22.98	-118 10.61	4.29	D	3.3
1980	7	5	22	46	40.68	37	28.94	-118 52.73	5.45	D	3.2
1980	7	6	5	25	50.41	37	33.23	-118 54.97	4.91	D	3.1
1980	7	7	11	32	14.65	38	1.36	-118 40.31	7.44	D	3.3
1980	7	7	15	39	46.70	38	1.32	-118 41.83	4.39	D	3.7
1980	7	7	17	32	18.83	37	38.14	-118 58.15	5.53	D	3.2
1980	7	7	20	46	44.63	38	2.67	-118 39.65	9.75	D	3.8
1980	7	7	21	34	37.54	38	0.50	-118 41.49	7.94	D	3.8
1980	7	9	11	17	27.21	37	26.68	-118 50.08	7.89	C	3.2
1980	7	9	21	11	24.54	33	3.08	-116 22.91	8.00	C	3.1
1980	7	10	6	47	0.72	37	33.26	-118 52.10	10.67	D	3.5
1980	7	11	11	29	34.28	37	34.46	-118 48.59	7.45	C	3.4
1980	7	13	10	55	36.30	37	30.09	-118 48.76	7.61	C	3.5
1980	7	15	3	46	13.40	31	46.15	-116 2.74	5.11	D	3.8
1980	7	15	7	16	12.07	37	30.87	-118 50.52	7.89	C	3.6
1980	7	15	9	24	58.27	31	46.50	-116 2.65	5.24	D	3.3
1980	7	15	18	36	5.07	37	37.31	-118 54.93	5.54	C	3.2
1980	7	16	9	11	11.51	37	33.51	-118 47.45	5.13	D	3.2
1980	7	16	16	18	39.63	37	35.94	-118 55.21	5.08	C	3.4
1980	7	18	5	14	48.14	34	31.22	-120 54.17	4.49	D	3.1
1980	7	18	20	14	52.81	37	31.68	-118 54.56	6.01	C	3.6
1980	7	19	16	55	19.90	36	5.28	-120 2.70	6.00	C	3.1
1980	7	19	21	49	24.35	32	18.68	-115 8.82	5.00	C	3.0
1980	7	20	11	24	24.66	37	32.23	-118 53.13	6.60	C	3.3
1980	7	20	20	27	2.91	37	36.31	-118 51.99	11.46	C	3.2
1980	7	21	21	50	3.26	37	34.63	-118 54.59	4.75	C	3.1
1980	7	22	11	46	30.21	31	43.44	-116 1.74	5.00	D	3.6
1980	7	23	7	50	13.08	34	15.23	-119 38.77	5.13	C	3.4
FELT SANTA BARBARA											
1980	7	24	13	49	45.37	32	3.79	-116 18.52	4.94	D	3.0
1980	7	25	5	43	38.82	36	2.56	-118 18.55	6.00	D	3.0
1980	7	25	6	44	19.55	37	35.41	-118 53.40	7.58	C	4.0
1980	7	26	3	23	19.53	37	29.48	-118 51.57	6.00	C	3.4
1980	7	26	17	22	47.22	37	32.74	-118 53.93	5.17	D	3.6
1980	7	26	19	17	54.87	35	50.39	-121 12.19	7.12	B	3.4
1980	7	26	21	43	1.95	37	38.22	-118 55.20	5.49	C	3.5
1980	7	27	16	55	31.26	37	28.45	-118 43.96	6.77	C	3.5
1980	7	29	1	44	58.25	34	5.35	-116 25.33	11.43	A	3.1
1980	7	29	6	48	11.67	31	44.74	-116 2.33	5.05	D	4.0
1980	7	29	19	17	14.72	37	30.31	-118 53.91	5.30	D	3.7
1980	7	29	20	56	50.03	37	30.05	-118 55.10	4.99	D	3.3
1980	7	29	23	18	44.53	37	32.75	-118 54.37	4.54	D	3.0
1980	7	31	8	20	46.44	37	38.77	-118 44.72	5.41	D	3.3
1980	8	1	16	38	56.39	37	33.32	-118 53.75	5.11	C	5.4
FELT MONO CO.											

DATE			TIME			LAT.		LONG.		DEPTH	Q	MAG.
1980	8	1	16	42	57.38	37	25.57	-118	53.63	5.75	D	3.9
1980	8	1	16	43	23.34	37	24.57	-118	54.31	6.00	D	3.9
1980	8	1	16	48	56.99	37	28.99	-118	45.57	4.59	D	4.4
1980	8	1	16	52	33.66	37	23.36	-118	56.60	6.04	D	3.6
1980	8	1	16	59	13.49	37	30.17	-118	51.88	5.33	D	3.4
1980	8	1	17	9	17.39	37	33.31	-118	52.09	1.48	C	4.1
1980	8	1	17	48	17.74	37	27.01	-118	54.04	6.72	D	3.6
1980	8	1	18	52	53.11	37	31.70	-118	49.75	6.14	D	3.7
1980	8	1	19	56	26.67	37	39.61	-118	57.85	5.47	D	3.3
1980	8	1	22	20	7.42	37	33.56	-118	53.69	5.44	C	3.5
1980	8	2	1	15	50.31	37	33.51	-118	52.59	6.17	D	3.6
1980	8	2	17	9	43.55	37	34.68	-118	53.92	5.41	D	3.8
1980	8	2	17	51	45.42	37	34.66	-118	46.58	6.00	C	3.2
1980	8	3	3	35	9.61	37	39.15	-118	58.09	5.31	D	3.3
1980	8	3	4	49	1.44	37	39.36	-118	57.53	4.99	D	3.6
1980	8	3	7	32	42.30	37	33.90	-118	51.72	5.54	C	3.7
1980	8	6	9	46	23.34	31	57.84	-116	12.79	5.00	D	4.2
1980	8	6	10	42	39.59	37	39.85	-118	58.47	7.69	D	3.4
1980	8	6	10	51	20.47	37	28.84	-118	51.13	6.00	C	3.4
1980	8	8	2	14	38.78	37	34.87	-118	56.10	4.82	C	3.4
1980	8	8	8	16	58.92	37	35.48	-118	57.19	6.13	C	3.3
1980	8	8	8	20	26.36	37	33.98	-118	56.50	4.82	C	3.0
1980	8	8	8	25	1.75	37	35.37	-118	56.43	5.03	D	3.1
1980	8	8	14	56	30.12	37	35.90	-118	48.19	5.92	D	3.4
1980	8	9	22	14	2.77	37	29.73	-118	49.34	6.00	D	3.4
1980	8	9	23	26	3.83	37	32.66	-118	51.86	5.00	D	3.8
1980	8	10	4	43	4.59	37	32.58	-118	52.24	5.00	D	3.7
1980	8	11	0	35	17.09	35	49.04	-120	2.42	11.99	C	3.3
1980	8	11	5	55	15.29	37	32.97	-118	51.86	6.00	D	3.2
1980	8	11	9	10	22.27	37	38.14	-118	55.58	4.99	D	3.2
1980	8	11	13	58	38.83	37	34.12	-118	50.60	4.31	D	3.3
1980	8	14	14	22	48.44	37	38.16	-118	54.36	4.99	D	3.8
1980	8	15	4	23	39.69	35	48.58	-119	59.51	10.50	B	3.2
1980	8	15	13	50	21.77	37	31.33	-118	47.78	5.00	C	3.0
1980	8	16	21	46	33.48	37	26.93	-118	51.80	5.00	C	3.5
1980	8	19	6	45	27.02	37	37.79	-118	52.42	5.03	C	4.1
1980	8	20	5	29	1.10	37	33.66	-118	53.89	5.00	D	3.6
1980	8	21	4	47	59.25	35	18.84	-118	36.90	0.01	B	3.2
1980	8	23	6	50	42.08	33	15.86	-116	5.66	2.35	A	3.6
1980	8	24	23	38	50.09	37	37.42	-118	50.76	5.00	D	3.3
1980	8	25	3	26	24.75	33	7.99	-115	37.60	7.68	C	3.0*
1980	8	29	0	23	5.83	37	31.45	-118	51.94	4.98	C	3.1
1980	8	29	17	55	42.99	32	8.90	-116	21.84	5.06	D	3.6*
1980	8	30	10	53	27.63	37	34.02	-118	53.03	5.88	D	3.6
FELT MAMMOTH LAKES												
1980	8	30	23	38	36.05	33	32.84	-116	40.13	10.61	A	3.4
1980	8	31	10	32	46.55	35	13.40	-118	36.08	2.84	B	3.5
FELT BAKERSFIELD												

DATE	TIME				LAT.	LONG.		DEPTH	Q	MAG.
1980	9	4	10	59	46.44	37	34.75 -118	45.06	0.85	C 3.2
1980	9	4	13	39	9.42	38	8.69 -118	29.95	5.06	D 4.5
					FELT	MAMMOTH LAKES				
1980	9	4	21	3	33.63	38	7.50 -118	33.14	5.40	D 4.6
					FELT	MAMMOTH LAKES				
1980	9	5	15	52	55.17	38	8.65 -118	34.70	3.26	D 3.5
1980	9	6	5	31	4.55	38	3.11 -118	32.45	5.03	D 3.8
1980	9	6	7	27	52.73	38	3.96 -118	31.17	6.08	D 4.4
1980	9	7	1	30	41.94	38	9.76 -118	31.10	4.96	D 5.0
1980	9	7	4	36	38.37	38	5.07 -118	33.88	5.00	C 5.6
1980	9	7	6	48	10.61	38	6.17 -118	33.33	5.00	D 4.3
1980	9	7	6	48	32.48	38	0.82 -118	33.68	5.06	D 5.1
1980	9	7	10	8	55.98	38	3.92 -118	30.27	6.18	D 3.5
1980	9	7	11	2	3.05	38	6.30 -118	30.41	4.95	D 3.2
1980	9	7	11	58	2.67	38	4.29 -118	35.42	4.99	D 3.7
1980	9	7	16	4	4.44	38	2.26 -118	38.03	5.20	D 3.4
1980	9	7	16	57	34.36	38	7.07 -118	32.55	5.02	D 3.7
1980	9	7	18	37	0.65	38	4.95 -118	33.79	5.01	D 3.4
1980	9	7	22	14	28.64	38	9.41 -118	36.61	5.03	D 3.3
1980	9	7	22	23	11.59	38	6.36 -118	33.13	5.00	D 3.1
1980	9	8	4	26	19.37	38	5.82 -118	35.27	4.98	D 4.3
1980	9	8	6	28	8.23	35	44.05 -120	20.01	5.00	C 3.5
1980	9	8	8	19	24.53	38	7.70 -118	35.88	4.89	D 3.5
1980	9	8	17	56	56.84	31	47.80 -115	59.75	5.23	D 3.0*
1980	9	8	18	17	12.38	38	6.72 -118	33.17	5.00	D 3.0
1980	9	9	17	26	20.54	33	33.68 -118	18.25	14.48	D 3.6
					FELT	LONG BEACH, REDONDO BEACH				
1980	9	11	4	16	49.18	38	5.33 -118	34.52	5.00	D 3.4
1980	9	11	9	54	26.75	38	4.70 -118	34.38	4.96	D 3.1
1980	9	14	11	50	2.01	37	38.98 -118	57.70	5.00	D 3.5
1980	9	15	15	8	41.85	38	7.15 -118	32.51	5.01	D 3.5
1980	9	16	4	19	43.56	38	5.83 -118	33.78	5.00	D 3.3
1980	9	16	4	24	41.30	38	3.87 -118	31.87	4.98	D 4.3
1980	9	16	5	41	30.27	37	39.19 -118	53.03	11.87	D 3.3
1980	9	17	5	41	5.11	37	38.74 -118	57.27	5.00	D 3.5
1980	9	17	10	46	42.42	38	6.82 -118	33.07	4.93	D 3.2
1980	9	17	21	37	52.91	38	4.42 -118	30.48	5.00	D 3.2
1980	9	18	6	6	40.71	38	1.40 -118	38.34	4.97	D 3.1
1980	9	19	20	5	36.30	38	5.85 -118	34.38	5.00	D 3.0
1980	9	19	20	56	58.00	38	6.15 -118	33.85	4.93	D 3.2
1980	9	20	1	35	42.42	38	5.00 -118	34.65	5.00	D 3.3
1980	9	20	10	42	51.36	36	13.91 -120	9.32	6.00	C 3.0
1980	9	21	15	15	57.17	37	58.95 -118	29.29	1.84	D 3.5
1980	9	21	17	13	27.67	37	33.81 -118	53.97	5.00	D 3.2
1980	9	23	11	13	5.67	36	13.77 -120	7.48	4.98	D 3.4
1980	9	24	7	51	40.34	31	38.11 -115	59.49	5.16	D 3.8
1980	9	24	8	8	39.05	36	13.99 -120	9.91	6.00	C 4.3
1980	9	24	8	13	26.94	36	15.24 -120	7.86	6.00	D 3.2

DATE		TIME		LAT.	LONG.	DEPTH	Q	MAG.
1980	9 24	8 14	32.01	36 17.53	-120 5.86	6.00	D	3.1
1980	9 25	3 20	32.84	37 33.18	-118 52.14	5.00	C	3.1
1980	9 26	10 15	41.06	35 45.08	-120 18.84	6.00	C	3.2
1980	9 26	13 18	41.14	35 16.28	-119 23.73	5.00	C	4.4
1980	9 26	16 19	11.87	37 33.60	-118 49.39	4.98	C	3.1
1980	9 27	19 16	24.68	37 38.37	-118 54.17	5.00	C	3.9
1980	9 27	21 29	0.59	37 38.16	-118 54.60	5.00	D	3.5
1980	9 28	0 42	15.89	37 38.36	-118 54.76	5.00	D	3.4
1980	9 28	16 28	8.17	31 48.42	-115 56.75	5.08	D	3.3
1980	9 28	22 53	21.77	37 38.64	-118 54.42	5.00	C	3.0
1980	10 2	1 48	13.91	37 15.33	-116 55.46	5.41	D	3.0*
1980	10 4	16 38	22.56	37 31.62	-118 49.58	4.99	C	4.0
1980	10 4	16 42	18.15	37 31.39	-118 49.36	5.00	C	3.7
1980	10 5	11 38	27.69	37 32.73	-118 51.96	5.00	C	3.3
1980	10 5	20 28	52.61	37 31.03	-118 48.99	5.00	C	3.0
1980	10 6	6 40	1.57	34 21.38	-118 17.99	6.52	B	3.2
1980	10 6	15 27	10.42	35 21.86	-118 33.57	0.04	A	3.2
1980	10 9	19 48	56.45	37 27.37	-118 47.43	5.04	D	3.2
1980	10 10	15 55	47.03	37 42.00	-119 11.41	4.69	D	3.1
1980	10 12	0 35	19.36	37 39.38	-118 57.80	5.00	D	3.1
1980	10 12	13 55	6.74	37 28.19	-118 52.39	4.99	D	3.4
1980	10 13	13 38	42.29	34 22.54	-117 40.42	10.50	A	3.0
FELT WRIGHTWOOD								
1980	10 13	14 31	44.83	34 23.09	-118 39.39	15.52	A	3.2
1980	10 14	10 52	40.16	37 27.73	-118 51.45	5.00	C	3.2
1980	10 16	1 15	12.84	31 43.79	-115 59.20	5.00	D	4.1
1980	10 16	1 22	18.64	31 46.30	-116 0.50	5.21	D	3.2
1980	10 16	23 2	8.04	31 49.91	-115 55.67	5.13	D	3.0
1980	10 18	3 54	30.64	34 21.79	-116 42.11	5.09	A	3.4
1980	10 18	16 49	5.78	37 28.62	-118 51.29	5.00	D	4.0
1980	10 19	2 54	35.12	38 5.20	-118 34.82	5.00	D	3.2
1980	10 19	22 59	52.57	34 21.63	-116 42.01	5.77	C	3.1
1980	10 21	3 4	8.69	37 35.04	-119 0.49	3.48	D	3.1
1980	10 21	11 1	5.06	36 13.00	-120 8.38	6.00	C	3.4
1980	10 21	12 26	13.96	34 23.20	-118 39.24	19.12	B	3.0
FELT GRANADA HILLS								
1980	10 21	21 31	45.47	38 6.65	-118 32.61	5.00	D	3.3
1980	10 23	21 40	11.44	37 29.89	-118 37.42	5.00	C	3.9
1980	10 23	22 30	32.16	31 45.77	-116 2.22	5.59	D	3.7*
1980	10 24	9 12	39.89	37 37.59	-118 50.03	5.00	C	3.3
1980	10 24	23 30	21.87	34 23.76	-116 27.95	4.72	A	3.2
1980	10 25	5 26	44.58	37 37.65	-118 51.42	4.98	D	4.4
1980	10 25	5 35	23.23	37 37.54	-118 54.30	5.00	D	3.6
1980	10 25	6 2	6.96	37 37.86	-118 53.42	5.09	D	3.5
1980	10 26	20 56	16.02	32 36.76	-115 34.70	5.92	C	3.3
1980	10 26	20 56	23.41	32 37.00	-115 35.00	6.00	D*	3.8
FELT IMPERIAL VALLEY								
1980	10 30	3 45	24.80	37 31.37	-118 46.58	5.00	C	4.0
FELT BISHOP								

DATE	TIME	LAT.	LONG.	DEPTH	Q	MAG.
1980 10 30	4 36	53.96	36 13.97 -120 9.42	6.00	C	3.0
1980 10 31	12 55	36.60	32 39.61 -115 34.76	3.45	C	4.6
		FELT	EL CENTRO			
1980 11 2	9 42	4.44	34 5.93 -117 12.04	5.50	A	3.1
		FELT	REDLANDS			
1980 11 3	5 31	27.84	37 31.77 -118 49.84	4.89	D	3.2
1980 11 9	5 48	21.34	34 13.26 -116 26.79	3.49	A	3.5
1980 11 11	5 30	12.68	37 34.35 -118 52.15	5.00	D	3.8
1980 11 11	10 19	2.62	38 4.61 -118 34.09	5.03	D	4.5
		FELT	SHAVER LAKE			
1980 11 11	10 33	51.48	38 4.81 -118 29.58	4.90	D	3.8
1980 11 12	6 12	26.88	32 56.49 -116 0.49	11.48	A	3.1
1980 11 17	20 52	50.15	33 14.65 -115 56.99	3.49	A	3.3
1980 11 17	22 59	46.35	38 3.61 -118 32.75	5.00	D	3.4
1980 11 18	4 36	56.17	33 14.65 -115 56.99	2.79	A	3.3
1980 11 18	20 21	41.82	34 12.84 -116 26.22	0.13	A	3.2
1980 11 20	12 17	49.80	32 59.78 -115 32.15	5.25	A	3.5
		FELT	BRAWLEY			
1980 11 21	23 10	42.96	37 32.51 -118 52.27	5.00	C	3.7
1980 11 22	0 21	17.01	37 32.66 -118 52.58	5.00	D	3.7
1980 11 24	20 35	0.98	37 32.70 -118 50.65	5.00	D	3.1
1980 11 25	0 59	49.65	37 39.45 -118 57.84	4.99	C	3.6
1980 11 25	1 4	30.40	37 39.50 -119 0.68	5.00	D	3.2
1980 11 25	1 27	44.08	37 38.73 -118 56.91	5.00	D	3.3
1980 11 25	1 30	3.63	37 39.19 -118 56.96	5.00	C	3.2
1980 11 25	1 32	50.37	37 38.48 -118 56.19	1.81	C	3.3
1980 11 25	2 8	47.47	37 40.39 -118 58.22	4.99	D	3.3
1980 11 25	21 16	14.30	37 30.75 -118 48.63	5.00	C	3.1
1980 11 30	8 33	30.05	31 45.00 -115 59.03	6.21	C	3.4
1980 12 1	14 30	41.34	34 9.25 -116 42.82	9.71	A	3.3
1980 12 2	12 27	59.81	33 14.78 -115 57.05	3.36	B	3.2
1980 12 5	0 53	12.40	37 37.13 -118 51.92	4.24	D	3.5
1980 12 10	19 46	58.13	32 20.17 -115 21.82	5.00	C	3.3*
1980 12 11	20 52	34.78	34 51.05 -117 0.10	9.65	C	3.0*
1980 12 13	4 10	16.20	35 53.04 -118 2.52	5.00	C	3.1
1980 12 13	6 48	12.77	33 31.06 -116 27.18	8.71	A	3.0
1980 12 13	14 15	47.35	34 29.78 -116 17.44	4.37	A	3.6
1980 12 14	9 24	53.48	37 36.59 -118 56.47	4.97	D	3.4
1980 12 14	20 19	15.73	37 38.39 -118 53.84	5.00	C	3.5
1980 12 15	11 50	37.90	37 38.74 -118 54.14	5.00	D	3.8
1980 12 15	12 10	40.71	37 38.66 -118 54.40	4.45	D	3.2
1980 12 19	16 57	45.22	38 29.28 -118 25.78	5.08	D	3.7
1980 12 22	19 35	17.25	32 41.89 -116 39.23	5.00	D	3.8
		FELT	SAN DIEGO			
1980 12 24	13 25	49.54	37 32.87 -118 53.36	5.00	D	3.6
1980 12 24	15 47	33.29	37 35.17 -118 52.80	5.00	D	3.4
1980 12 24	15 48	33.73	37 35.66 -118 53.53	5.00	C	4.5
1980 12 26	17 25	13.24	37 38.77 -118 53.94	4.99	D	3.1

DATE	TIME	LAT.	LONG.	DEPTH	Q	MAG.
1980 12 28	3 40 38.09	37 38.05	-118 52.39	5.00	C	3.3
1980 12 28	22 58 9.61	38 9.60	-118 22.63	4.86	D	4.6
1980 12 28	23 0 38.45	38 14.33	-118 13.86	5.00	D	3.9
1980 12 28	23 5 38.46	38 12.46	-118 24.26	4.63	D	3.6
1980 12 29	12 24 53.15	38 13.84	-118 26.67	4.99	D	3.6
1980 12 30	20 11 26.19	33 43.95	-118 49.42	2.48	B	3.0
1980 12 31	20 22 46.10	37 34.42	-118 52.50	5.00	D	3.1

DATE			TIME		LAT.	LONG.	DEPTH	Q	MAG.
1981	1	1	18 22	21.98	38 7.85	-118 32.03	5.00	D	3.8
1981	1	2	15 3	9.34	36 2.85	-118 17.62	5.00	C	3.1
1981	1	8	14 52	14.14	33 54.41	-118 40.88	14.10	A	3.3
					FELT WEST L.A., SAN FERNANDO VALLEY				
1981	1	10	14 19	41.62	37 38.45	-118 51.43	4.99	D	3.3
1981	1	11	4 44	32.02	35 56.65	-120 30.99	12.30	B	3.3
					FELT SAN LUIS OBISPO				
1981	1	13	4 21	36.64	37 38.66	-118 54.87	5.00	D	3.0
1981	1	16	7 1	16.27	37 36.10	-118 53.60	4.96	D	3.3
1981	1	17	0 9	36.38	35 55.53	-120 30.89	11.14	B	3.2
1981	1	23	4 41	12.62	37 9.76	-117 23.44	5.59	C	3.4
1981	1	23	22 13	3.41	33 7.27	-115 36.11	3.49	A	3.0*
1981	1	28	20 8	51.06	38 10.60	-118 21.43	5.00	D	4.4
					FELT MONO LAKE				
1981	1	30	1 54	13.32	33 55.54	-118 30.03	11.90	B	3.1
					FELT WEST L.A., SANTA MONICA				
1981	1	31	5 23	22.10	36 11.98	-120 19.47	6.00	C	3.4
1981	2	1	11 30	7.00	33 30.52	-116 46.23	4.65	A	3.5
1981	2	1	19 27	7.88	33 30.26	-116 46.54	2.87	A	3.3
1981	2	2	9 15	17.06	37 27.34	-118 35.85	5.00	C	3.4
1981	2	6	8 13	33.01	37 34.47	-118 54.27	4.99	D	3.2
1981	2	6	8 44	39.52	37 34.23	-118 54.37	5.00	D	3.1
1981	2	11	2 37	49.31	36 13.45	-120 13.81	6.00	C	3.4
1981	2	11	4 41	5.67	35 59.75	-120 17.25	5.69	C	3.4
1981	2	13	15 1	45.29	37 35.37	-118 53.54	5.09	D	3.1
1981	2	18	10 49	24.08	36 43.80	-118 4.82	0.50	B	3.0
1981	2	21	15 9	52.02	33 31.54	-116 27.72	8.29	A	3.2
1981	2	21	22 56	16.61	33 39.77	-116 45.33	12.29	A	3.5
					FELT PALM SPRINGS				
1981	2	23	6 12	52.14	35 12.15	-120 37.38	6.00	C	3.2
					FELT SAN LUIS OBISPO AREA				
1981	2	23	13 7	8.56	36 7.03	-120 24.67	8.64	B	3.0*
1981	2	23	23 22	25.93	31 56.94	-116 2.63	5.01	D	3.0*
1981	2	27	15 11	12.63	34 10.15	-118 36.49	15.61	A	3.4
					FELT SANTA MONICA TO NORTHRIDGE				
1981	2	28	7 46	34.76	37 36.35	-118 52.94	5.00	C	3.1
1981	3	5	5 28	54.83	37 32.69	-118 53.27	5.00	C	4.0
					FELT MAMMOTH LAKES				
1981	3	5	15 7	39.15	37 37.95	-118 55.04	2.64	C	3.7
1981	3	8	11 17	9.15	33 4.64	-115 35.37	5.15	A	3.5
					FELT IMPERIAL VALLEY				
1981	3	10	23 29	29.00	37 19.82	-118 23.30	5.00	C	3.4
1981	3	12	14 6	42.62	33 13.47	-115 32.61	1.17	A	3.3
					FELT BRAWLEY				
1981	3	15	1 31	43.51	31 40.01	-115 10.09	5.00	D	3.0*
1981	3	16	4 53	53.16	37 36.41	-118 49.32	5.00	C	3.4
					FELT CROWLEY LAKE				

DATE	TIME			LAT.	LONG.	DEPTH	Q	MAG.
1981	3	16	6 13	34.54	31 37.64 -115 3.43	5.00	D	3.3*
1981	3	16	19 17	48.94	31 24.38 -114 57.54	5.00	D	3.3*
1981	3	18	6 7	11.96	34 4.95 -117 0.66	10.35	A	3.8
FELT REDLANDS								
1981	3	21	19 5	4.95	37 37.61 -118 51.74	4.60	B	3.2
1981	3	23	8 52	31.02	38 10.63 -118 20.81	4.93	D	3.4
1981	3	24	4 9	11.02	37 27.12 -118 45.52	5.00	D	3.4
1981	3	25	0 6	15.56	37 36.08 -118 54.00	5.00	C	3.2
1981	3	25	4 1	43.88	37 33.04 -118 53.58	5.87	B	3.7
1981	3	27	15 1	50.15	33 56.16 -116 21.49	5.89	C	3.0
1981	3	29	11 53	29.90	37 33.92 -118 51.81	5.00	C	3.0
1981	4	1	2 5	14.65	33 34.72 -116 50.04	10.93	A	3.3
1981	4	5	11 36	54.37	36 5.05 -120 5.07	10.34	C	3.0
1981	4	7	6 23	28.22	32 56.38 -116 18.93	5.00	C	3.1
1981	4	8	1 40	8.95	31 20.89 -115 43.88	5.00	D	3.2
1981	4	11	4 13	23.99	38 4.50 -118 33.47	6.04	A	3.4
1981	4	11	21 47	43.42	35 21.54 -118 29.47	1.31	A	3.0
1981	4	13	2 37	47.81	37 42.84 -118 52.42	4.10	C	3.1
1981	4	13	7 37	57.52	37 30.94 -118 52.39	7.78	C	3.2
1981	4	18	0 35	40.77	38 3.97 -118 34.12	5.19	D	3.4
1981	4	19	8 46	49.18	35 50.03 -117 47.25	1.00	C	3.7
1981	4	19	8 54	4.12	35 49.72 -117 47.26	1.00	C	3.4
1981	4	19	9 2	10.22	35 49.71 -117 46.96	1.00	C	4.0
1981	4	19	9 2	50.40	35 51.08 -117 50.51	3.05	D	4.6
1981	4	19	9 19	56.71	35 49.47 -117 47.20	1.00	C	4.1
1981	4	20	1 37	42.09	33 21.13 -116 42.49	11.94	A	3.3
1981	4	22	1 5	46.68	31 26.50 -119 7.47	5.17	D	3.1
1981	4	22	6 19	50.77	33 5.94 -115 37.40	2.49	A	3.3
1981	4	23	3 35	27.42	35 50.63 -117 46.16	4.94	A	3.4
1981	4	23	6 15	51.76	32 45.40 -115 36.01	6.13	B	3.0
FELT EL CENTRO								
1981	4	25	2 12	54.77	33 6.58 -115 37.66	2.57	A	4.1
1981	4	25	2 13	37.10	33 6.01 -115 38.21	5.18	B	3.1
1981	4	25	7 3	14.12	33 6.24 -115 37.69	5.24	A	3.9
1981	4	25	7 41	7.00	37 38.53 -118 56.61	5.20	C	3.8
FELT MAMMOTH LAKES								
1981	4	25	13 36	45.70	33 5.94 -115 37.66	2.45	A	3.0
1981	4	25	17 24	4.02	33 5.75 -115 37.05	1.88	A	3.2
1981	4	26	4 27	24.36	33 4.87 -115 38.07	6.00	L	3.0
1981	4	26	10 58	8.80	33 4.98 -115 37.43	1.12	A	3.7
1981	4	26	11 4	33.01	33 5.33 -115 36.98	1.01	A	3.0
1981	4	26	12 0	13.21	33 6.42 -115 37.21	1.42	A	3.0*
1981	4	26	12 1	59.79	33 6.01 -115 37.10	1.60	B	3.8
1981	4	26	12 5	57.26	33 5.69 -115 37.07	2.59	A	3.9
1981	4	26	12 9	28.37	33 5.89 -115 37.10	2.31	A	5.6
FELT SAN DIEGO, IMPERIAL CO.								
1981	4	26	12 27	57.11	33 2.36 -115 40.79	4.38	A	3.4*
1981	4	26	12 28	7.72	33 6.72 -115 38.97	5.14	B	3.2

DATE	TIME			LAT.	LONG.		DEPTH	Q	MAG.
1981	4	26	12 28	36.01	33	2.12 -115	41.14	4.00	B 3.2
1981	4	26	12 40	42.59	33	6.79 -115	41.42	13.14	D 4.2
1981	4	26	12 46	35.17	33	2.14 -115	41.29	3.87	A 3.0
1981	4	26	12 57	43.12	33	6.79 -115	35.54	1.73	A 3.0
1981	4	26	12 59	21.04	33	4.29 -115	40.80	1.29	A 3.3
1981	4	26	13 3	13.12	33	6.17 -115	35.46	0.28	A 3.7
1981	4	26	15 22	14.10	33	6.96 -115	36.42	1.33	A 3.4
1981	4	26	15 43	56.86	33	6.39 -115	35.22	1.54	A 3.5
1981	4	26	16 33	8.97	33	4.94 -115	37.56	2.01	A 3.6
1981	4	26	17 42	26.17	33	9.76 -115	37.46	0.74	A 3.4
1981	4	26	20 56	22.31	33	6.04 -115	34.66	0.40	A 3.0
1981	4	27	2 55	49.60	33	5.99 -115	35.80	1.32	A 3.3
1981	4	27	10 40	49.08	33	1.58 -115	41.12	3.65	A 3.1
1981	4	27	12 29	41.98	33	10.20 -115	38.48	1.48	A 3.0
1981	4	28	22 54	49.40	38	6.50 -118	34.37	5.00	D 4.5
FELT MONO LAKE									
1981	4	30	20 9	46.03	33	30.80 -116	30.07	15.24	A 3.3
1981	5	1	20 42	42.09	31	41.36 -115	55.25	5.00	D 3.6
1981	5	2	2 11	5.66	35	49.92 -117	47.01	0.01	A 3.2
1981	5	2	15 37	52.14	33	1.42 -115	41.42	3.35	A 3.0
1981	5	2	21 50	20.59	32	56.30 -116	17.72	5.00	C 3.3
1981	5	4	18 41	3.11	33	29.03 -116	27.49	14.02	A 3.0
1981	5	5	14 34	52.95	36	24.39 -118	2.18	0.15	A 3.1
1981	5	6	5 56	58.67	33	44.46 -118	1.77	1.53	A 3.0
FELT SEAL BEACH									
1981	5	7	1 2	38.13	37	56.37 -118	31.79	4.87	D 4.6
FELT MAMMOTH LAKES									
1981	5	7	1 3	20.32	37	56.00 -118	32.00	5.00	D* 3.8
1981	5	7	1 3	55.42	37	56.00 -118	32.00	5.00	D* 3.5
1981	5	7	2 18	28.41	37	56.28 -118	31.61	5.00	D 3.6
1981	5	9	22 58	12.83	32	57.32 -115	31.72	4.84	A 3.0
1981	5	13	5 33	39.95	32	6.18 -116	27.04	5.04	D 3.3
1981	5	18	21 32	48.48	37	13.60 -117	53.24	2.99	A 3.2
1981	5	23	18 50	21.07	36	6.83 -117	53.36	0.52	B 3.0
1981	6	3	5 29	3.50	34	9.25 -117	36.75	13.24	A 3.4
FELT RANCHO CUCAMONGA									
1981	6	4	11 51	33.01	33	39.57 -117	22.90	9.63	B 3.7
FELT RIVERSIDE CO.									
1981	6	4	14 26	35.36	33	39.49 -117	22.96	10.72	B 3.1
FELT RIVERSIDE CO.									
1981	6	6	5 54	30.57	35	45.69 -117	42.69	5.29	A 3.1*
1981	6	12	2 58	20.73	35	4.32 -118	25.26	9.36	A 3.2
1981	6	12	6 6	7.26	34	21.49 -118	40.21	15.13	A 3.7
FELT SIMI VALLEY TO PASADENA									
1981	6	12	11 2	46.26	33	14.67 -115	58.01	3.42	A 3.6
FELT SALTON CITY									
1981	6	16	12 16	19.14	33	51.86 -116	15.33	2.72	A 3.0
1981	6	21	7 1	10.45	31	56.21 -116	7.37	5.03	D 3.5

DATE	TIME			LAT.	LONG.	DEPTH	Q	MAG.
1981 6 22	4	57	47.29	35 6.30	-118 31.24	5.86	A	4.0
	FELT BAKERSFIELD							
1981 6 22	5	8	49.99	37 38.20	-118 53.74	3.73	C	3.2
1981 6 22	7	31	45.94	33 14.45	-115 57.42	3.58	A	3.1
1981 6 22	15	39	28.80	31 39.75	-116 22.78	5.42	D	3.1
1981 6 26	13	27	35.72	37 30.61	-118 52.90	5.05	C	3.0
1981 6 28	8	33	15.28	37 38.67	-118 51.67	5.00	C	3.1
1981 6 30	2	30	51.46	37 38.23	-118 51.92	5.00	C	3.3
1981 6 30	8	31	51.64	37 34.50	-118 54.08	5.01	C	3.5
1981 6 30	8	32	53.59	37 32.27	-118 53.29	5.20	D	3.2
1981 7 2	12	42	10.31	37 39.80	-118 58.77	4.97	D	3.1
1981 7 2	13	48	57.98	37 36.91	-118 53.25	4.13	C	3.0
1981 7 3	3	12	44.02	33 15.58	-115 58.19	3.63	A	3.1
1981 7 4	6	4	38.02	31 51.86	-116 36.15	4.26	D	3.1
1981 7 5	0	31	16.47	33 41.10	-117 22.37	5.00	C	3.4
1981 7 5	3	17	44.04	31 52.67	-116 37.80	4.77	D	3.0
1981 7 5	3	29	35.77	31 52.79	-116 37.83	5.00	D	3.3
1981 7 5	4	16	37.00	31 53.53	-116 36.37	4.46	D	3.3
1981 7 5	10	30	48.58	35 44.84	-117 43.56	0.88	B	3.0
1981 7 5	17	45	24.20	35 45.60	-117 43.01	5.00	C	3.2
1981 7 6	11	12	49.55	31 52.11	-116 36.78	4.97	D	3.4
1981 7 6	19	53	43.88	33 51.09	-117 52.23	5.99	D	3.1
	FELT ORANGE CO.							
1981 7 9	13	31	18.08	37 39.88	-118 50.56	4.90	D	3.2
1981 7 9	14	52	36.03	37 38.10	-118 56.06	2.33	D	3.1
1981 7 9	23	18	29.02	37 37.94	-118 56.67	5.00	C	3.5
1981 7 10	16	36	51.60	37 39.65	-118 58.13	4.98	C	3.0
1981 7 10	20	27	49.37	37 38.86	-118 57.03	4.99	D	3.5
1981 7 11	21	50	29.38	32 37.19	-118 0.56	5.00	C	4.1
1981 7 18	12	48	16.16	33 33.83	-116 39.97	12.21	A	3.0
1981 7 18	21	22	6.11	35 43.83	-118 0.08	1.99	A	3.0
1981 7 21	4	31	17.06	34 16.51	-119 37.00	3.45	B	3.0
1981 7 24	11	38	50.31	32 3.73	-116 19.77	5.52	D	4.7
1981 7 25	20	5	54.13	36 7.45	-117 49.58	0.07	A	3.0
1981 7 26	6	13	9.38	35 8.08	-118 38.21	5.10	A	3.6
	FELT BEAR VALLEY							
1981 7 28	19	18	39.52	31 52.13	-116 36.82	4.95	D	3.4
1981 7 29	21	28	8.12	33 8.04	-116 30.53	5.23	C	3.3
1981 7 29	23	37	48.93	33 48.27	-118 43.12	3.35	B	3.0
1981 7 29	23	39	56.46	33 45.58	-118 44.52	1.82	C	3.8
	FELT REDONDO BEACH, SANTA MONICA							
1981 7 30	1	56	55.04	33 46.79	-118 43.85	3.52	B	3.4
1981 7 30	11	56	0.88	33 48.18	-118 44.22	3.89	A	3.4
	FELT HERMOSA BEACH							
1981 8 4	19	15	57.94	32 5.83	-116 19.49	5.04	D	3.0
1981 8 6	11	10	13.00	34 48.28	-120 16.35	6.00	C	3.6
	FELT SANTA MARIA							
1981 8 6	22	31	9.32	37 32.03	-118 50.35	5.37	C	3.7

FELT BANNING

DATE	TIME			IAT.	LONG.			DEPTH	Q	MAG.
1981	9	26	14 3	54.05	36	1.84	-120 18.04	0.15	C	3.1
1981	9	27	21 25	57.14	37	31.19	-118 50.98	5.00	C	3.3
1981	9	28	10 57	39.67	33	27.42	-117 6.02	8.20	A	3.3
1981	9	30	11 53	26.89	37	35.62	-118 52.95	5.00	C	6.0
1981	9	30	12 6	5.20	37	37.06	-118 51.88	7.50	C	3.7
1981	9	30	12 12	45.83	37	39.28	-118 54.09	5.68	C	3.0
1981	9	30	12 15	47.70	37	39.23	-118 54.58	0.27	C	3.7
1981	9	30	12 22	25.79	37	38.90	-118 54.91	5.00	D	3.1
1981	9	30	12 22	53.36	37	36.49	-118 59.66	4.19	D	3.5
1981	9	30	12 25	20.84	37	40.48	-118 53.08	4.70	C	3.7
1981	9	30	12 39	28.18	37	39.97	-118 52.53	4.94	D	3.0
1981	9	30	12 48	39.72	37	37.66	-118 53.37	2.05	C	3.3
1981	9	30	13 5	48.42	37	38.89	-118 51.92	5.00	C	5.3
1981	9	30	13 19	46.09	37	36.46	-118 53.66	7.93	D	3.3
1981	9	30	13 49	27.44	37	38.64	-118 52.84	5.24	D	3.4
1981	9	30	14 14	15.41	37	33.45	-118 51.21	4.67	D	3.3
1981	9	30	14 24	38.17	37	37.26	-118 52.53	4.70	D	3.0
1981	9	30	14 27	6.71	37	39.30	-118 52.45	5.65	C	3.4
1981	9	30	14 33	45.98	37	37.79	-118 52.72	5.00	C	4.0
1981	9	30	14 39	14.94	37	38.70	-118 52.91	2.34	C	3.8
1981	9	30	14 40	13.31	37	38.31	-118 52.19	5.27	D	3.6
1981	9	30	14 50	6.88	37	34.38	-118 54.18	4.57	C	4.4
1981	9	30	15 6	33.87	37	39.40	-118 52.16	5.00	C	3.7
1981	9	30	15 20	48.17	37	39.03	-118 52.13	5.00	C	3.7
1981	9	30	15 46	23.82	37	38.89	-118 51.93	0.97	C	3.1
1981	9	30	16 8	53.50	37	37.96	-118 52.76	5.00	C	3.1
1981	9	30	16 34	32.23	37	32.97	-118 54.99	5.00	C	3.7
1981	9	30	16 49	33.67	37	39.83	-118 52.65	5.00	C	3.4
1981	9	30	18 16	22.86	37	40.05	-118 52.66	5.19	C	3.5
1981	9	30	19 35	12.04	37	32.51	-118 49.12	2.64	C	3.9
1981	9	30	19 48	20.73	37	37.99	-118 52.61	4.88	C	3.6
1981	9	30	21 25	59.07	37	39.06	-118 53.41	5.19	D	3.7
1981	9	30	21 29	7.54	37	39.89	-118 52.18	5.16	C	3.2
1981	9	30	23 5	57.92	37	33.96	-118 52.33	5.01	D	3.8
1981	10	1	1 4	17.97	37	33.78	-118 45.27	4.49	D	3.7
1981	10	1	2 36	37.59	37	38.63	-118 53.26	4.99	D	3.4
1981	10	1	7 2	4.99	37	31.59	-118 54.38	5.00	D	4.1
1981	10	1	9 13	57.51	37	32.51	-118 55.59	4.99	D	3.6
1981	10	1	13 22	37.87	37	34.47	-118 46.10	4.60	D	4.1
1981	10	1	15 0	17.79	37	33.78	-118 54.50	5.00	D	3.1
1981	10	1	18 16	48.32	37	30.87	-118 46.93	4.98	D	3.1
1981	10	1	22 5	7.95	37	31.36	-118 52.41	4.34	D	3.6
1981	10	2	7 37	22.50	37	39.04	-118 51.57	5.00	C	4.1
1981	10	2	7 45	3.09	37	38.51	-118 51.41	5.87	C	3.2
1981	10	2	10 13	26.39	37	38.57	-118 51.53	0.82	C	3.3
1981	10	2	16 14	23.63	37	38.40	-118 51.24	5.22	C	3.6
1981	10	2	18 18	13.36	37	39.62	-118 52.77	5.00	C	3.7
1981	10	3	1 20	37.37	37	36.48	-118 49.61	5.01	C	4.1

DATE	TIME			LAT.	LONG.	DEPTH	Q	MAG.
1981 10 3	7	23	32.73	37 33.89	-118 48.34	5.89	C	3.2
1981 10 3	14	40	55.23	37 34.83	-118 52.83	3.86	C	3.7
1981 10 4	0	30	41.03	37 29.77	-118 53.37	5.00	D	3.0
1981 10 4	4	27	36.74	37 37.87	-118 52.64	5.06	C	3.1
1981 10 4	6	32	51.50	37 37.95	-118 52.60	5.00	C	3.7
1981 10 6	5	46	11.90	37 30.60	-118 53.41	2.73	C	3.2
1981 10 6	18	22	59.92	32 31.37	-115 20.80	4.99	D	3.4
1981 10 9	4	7	29.67	31 52.46	-116 40.43	4.86	D	3.0
1981 10 9	11	1	0.12	37 39.10	-118 52.56	5.00	C	4.2
1981 10 9	11	17	25.76	37 33.85	-118 48.93	2.18	C	3.7
1981 10 10	14	2	21.08	31 53.88	-116 39.73	4.39	D	3.4
1981 10 11	18	10	12.61	33 38.98	-119 3.29	7.00	C	3.4
1981 10 13	14	47	53.91	37 4.18	-116 56.46	6.00	D	3.4
1981 10 13	20	14	2.99	34 1.83	-116 8.88	8.64	A	3.6
1981 10 15	4	21	11.20	37 3.06	-116 56.58	5.00	D	3.6
1981 10 16	4	7	33.74	33 37.02	-118 59.65	5.36	C	3.1
1981 10 17	19	47	21.79	33 14.39	-116 4.14	4.55	A	3.8
1981 10 17	19	54	34.89	33 14.29	-116 3.52	5.32	A	3.2
1981 10 19	21	43	45.41	34 19.82	-116 26.96	3.29	A	3.0
1981 10 20	2	25	19.94	37 40.10	-118 53.06	5.76	C	3.7
1981 10 20	12	40	55.59	33 31.27	-116 27.16	8.95	D	3.0
				FELT PALM SPRINGS, COACHELLA VALLEY				
1981 10 21	5	37	44.72	33 30.41	-116 45.73	5.11	A	3.2
				FELT HEMET				
1981 10 23	17	28	16.76	33 37.58	-119 1.13	13.98	A	4.6
				FELT L.A. BASIN TO SAN DIEGO				
1981 10 23	19	16	52.29	33 37.13	-119 0.91	11.57	A	4.6
				FELT L.A. BASIN TO SANTA BARBARA				
1981 10 26	14	58	1.45	37 22.71	-118 30.81	4.46	C	3.1
				FELT BISHOP				
1981 10 28	14	17	8.90	34 20.22	-118 31.25	5.35	A	3.0
				FELT SAN FERNANDO VALLEY				
1981 10 30	17	7	25.75	33 37.41	-119 0.07	6.00	C	3.5
1981 10 31	23	14	32.79	33 39.61	-119 4.57	5.01	C	3.1
1981 11 5	3	30	16.25	37 33.39	-118 49.17	4.96	C	3.0
1981 11 6	16	48	45.09	31 37.97	-115 38.70	5.27	D	3.3
1981 11 6	16	49	0.93	31 36.50	-115 39.34	4.99	D	3.4
1981 11 7	22	3	16.45	37 37.60	-118 52.06	5.00	C	3.0
1981 11 10	7	33	6.93	37 34.64	-118 52.85	3.78	C	3.4
1981 11 10	19	17	48.34	37 35.55	-118 52.91	5.00	C	3.7
1981 11 10	22	34	35.43	35 1.44	-119 8.31	2.15	B	4.8
				FELT BAKERSFIELD TO L.A.				
1981 11 10	22	37	4.62	35 0.77	-119 9.75	2.27	B	4.1
1981 11 11	0	29	44.35	35 1.14	-119 9.85	1.96	B	3.2
1981 11 11	0	30	56.59	35 1.22	-119 9.64	2.25	C	3.0
1981 11 11	6	39	28.43	31 38.22	-115 38.73	5.04	D	3.1
1981 11 11	21	52	13.25	31 40.16	-115 36.34	5.42	D	3.7
1981 11 12	19	27	45.35	31 45.59	-116 0.89	5.09	D	3.6

DATE	TIME	LAT.	LONG.	DEPTH	Q	MAG.
1981 11 13	2 42 28.39	37 38.66	-118 56.79	5.00	C	3.5
1981 11 13	3 0 0.21	37 38.46	-118 56.50	5.00	C	4.1
1981 11 13	3 7 47.81	37 38.43	-118 56.12	5.00	C	4.3
1981 11 13	3 50 21.90	37 38.62	-118 56.80	5.00	C	3.5
1981 11 16	12 1 45.26	35 1.29	-119 8.65	2.44	A	3.1
1981 11 17	2 53 40.43	33 42.29	-119 9.07	10.01	C	3.0
1981 11 18	16 15 49.07	37 29.66	-119 23.83	5.00	C	4.0
1981 11 24	9 20 17.65	34 50.99	-116 38.99	6.00	C	3.4
1981 11 25	15 16 35.52	32 12.47	-116 7.22	5.44	D	3.2
1981 11 27	1 25 12.34	32 3.96	-115 47.30	5.17	D	3.4
1981 11 28	4 48 47.08	37 38.38	-118 56.40	5.00	C	3.3
1981 11 28	22 46 42.06	31 53.34	-116 40.70	4.80	D	3.4
1981 11 29	0 54 23.97	31 52.10	-116 40.50	4.65	D	3.3
1981 11 29	0.54 31.25	31 51.89	-116 40.92	5.51	D	3.3
1981 11 29	1 31 6.60	31 51.42	-116 40.74	4.71	D	3.0
1981 11 29	2 6 45.00	31 52.80	-116 40.77	5.00	D	3.2
1981 12 1	2 57 29.41	37 35.05	-118 51.23	1.01	C	3.4
1981 12 4	13 53 56.04	31 52.47	-116 40.31	4.87	D	3.4
1981 12 9	22 58 23.02	33 41.42	-119 8.19	15.91	C	3.2
1981 12 10	9 33 19.78	37 23.32	-118 26.52	4.92	C	3.1
FELT BISHOP						
1981 12 12	5 7 9.64	35 26.83	-118 29.36	0.16	C	3.0
1981 12 14	10 59 48.56	32 21.29	-117 30.83	0.11	C	3.3
1981 12 14	11 32 59.32	33 41.87	-119 9.29	5.01	C	3.6
FELT L.A. BASIN						
1981 12 15	8 5 33.74	36 5.72	-117 49.68	2.44	A	3.7
1981 12 16	1 34 52.42	36 12.51	-117 52.70	3.31	A	3.5
1981 12 16	10 27 31.33	31 39.39	-115 41.56	4.96	D	3.4
1981 12 17	12 10 28.22	31 54.57	-115 52.04	5.17	D	3.1
1981 12 24	2 22 7.82	34 0.69	-116 46.25	19.50	A	3.1
1981 12 27	20 24 15.58	34 15.40	-117 37.58	5.43	A	3.0

DATE	TIME				LAT.	LONG.	DEPTH	Q	MAG.
1982	1	6	4	24	8.28	31 36.92 -115 51.66	5.00	D	4.1
1982	1	24	15	44	8.28	37 23.22 -117 53.40	6.75	A	4.0
1982	1	25	19	4	17.55	31 55.46 -115 54.35	4.99	D	3.6
1982	1	25	23	47	3.10	33 14.05 -116 4.72	12.33	A	3.0
1982	1	28	1	44	17.96	32 52.78 -119 10.14	4.74	D	3.5
1982	2	2	5	40	56.51	33 28.25 -116 26.53	8.03	B	3.1
1982	2	2	18	0	4.85	33 45.28 -119 13.84	9.86	C	3.2
					FELT N. HOLLYWOOD				
1982	2	4	0	7	20.85	32 59.47 -115 44.96	2.72	A	3.2
1982	2	7	8	10	20.34	35 21.18 -118 29.58	1.34	A	3.8
1982	2	14	0	33	0.35	37 9.10 -117 50.40	5.83	C	3.2
1982	2	16	4	18	58.60	37 33.03 -118 52.15	4.27	D	3.5
1982	2	16	19	10	51.11	34 6.64 -117 19.51	18.62	A	3.0
					FELT SAN BERNARDINO, FONTANA				
1982	2	17	16	27	40.86	37 37.69 -118 55.75	2.73	C	3.2
1982	2	18	5	6	6.70	35 46.45 -117 44.41	0.10	B	3.2
					FELT INYOKERN				
1982	2	20	17	52	6.41	35 46.28 -117 43.91	4.21	A	3.5
					FELT INYOKERN				
1982	2	21	11	2	40.33	32 37.75 -116 4.55	6.76	A	3.1
1982	2	22	14	6	8.24	34 7.03 -116 23.47	5.00	A	3.1
					FELT JOSHUA TREE, YUCCA VALLEY				
1982	2	25	5	19	42.19	34 6.85 -116 23.50	3.92	A	3.9
					FELT YUCCA VALLEY, PALM SPRINGS				
1982	2	26	13	30	15.83	33 26.90 -118 55.54	6.00	C	3.0
1982	2	28	23	18	21.01	34 27.78 -119 29.61	4.98	A	3.2
					FELT OXNARD				
1982	3	1	3	3	32.97	35 47.02 -117 44.28	8.82	A	3.0
1982	3	1	3	10	22.34	35 46.68 -117 44.81	3.80	B	4.1
1982	3	1	6	9	24.19	35 45.50 -117 44.70	0.17	B	3.4
1982	3	1	13	43	36.81	35 45.97 -117 44.07	4.79	A	3.1
1982	3	5	15	22	40.40	33 1.60 -116 31.48	15.08	B	3.2
1982	3	7	17	16	14.84	31 46.01 -116 3.16	6.00	C	3.3
1982	3	7	19	13	38.21	35 45.61 -117 43.97	4.70	A	3.0
1982	3	7	20	50	12.93	35 45.76 -117 43.87	5.22	A	4.4
					FELT INYOKERN, RIDGECREST				
1982	3	7	20	51	0.33	35 44.42 -117 45.76	5.00	C	4.7
					FELT INYOKERN, RIDGECREST				
1982	3	7	22	20	34.17	35 46.19 -117 45.15	2.00	A	3.0
1982	3	8	12	15	5.18	35 47.37 -117 47.00	3.61	A	3.2
1982	3	8	14	42	45.92	35 44.76 -117 44.62	1.09	A	3.9
1982	3	12	12	45	33.30	33 25.71 -118 54.72	6.00	C	3.2
1982	3	14	9	58	51.40	35 9.97 -120 39.20	6.00	D	3.5
					FELT SAN LUIS OBISPO				
1982	3	16	7	8	12.91	36 35.93 -117 3.12	5.00	C	3.1
					FELT DEATH VALLEY				
1982	3	16	8	47	0.80	36 35.73 -117 2.21	5.00	C	3.6
					FELT DEATH VALLEY				

DATE	TIME				LAT.	LONG.	DEPTH	Q	MAG.
1982	3	16	22	55	5.39	32 47.18 -115 27.04	5.46	A	3.2
					FELT BRAWLEY				
1982	3	22	8	53	28.64	33 3.47 -116 12.67	4.64	B	4.5
					FELT IMPERIAL VALLEY TO SAN DIEGO				
1982	3	22	23	26	23.90	33 3.53 -116 12.82	4.54	B	3.3
1982	3	29	20	8	26.96	32 58.52 -115 54.35	4.89	A	3.7
1982	3	29	23	29	41.58	34 6.78 -116 23.30	4.39	A	3.3
					FELT YUCCA VALLEY				
1982	3	31	5	53	27.46	31 58.70 -116 12.62	6.00	C	3.2
1982	4	1	9	26	33.15	37 1.40 -118 16.17	12.24	B	3.0
1982	4	1	13	8	11.27	32 30.18 -116 16.52	5.00	C	3.2
1982	4	5	1	14	54.81	33 33.75 -118 56.54	6.14	C	3.6
					FELT SANTA MONICA				
1982	4	5	11	13	36.88	33 31.59 -118 54.73	6.00	C	3.1
1982	4	8	3	15	35.28	31 55.13 -115 50.95	3.98	D	3.1
1982	4	13	11	2	12.58	34 3.63 -118 57.88	9.25	B	4.1
					FELT EL SEGUNDO TO WOODLAND HILLS				
1982	4	15	8	53	50.36	33 48.09 -116 57.66	14.17	A	3.0
1982	4	15	21	52	8.88	38 4.93 -118 34.03	4.95	D	5.1
1982	4	20	10	55	30.30	31 48.74 -116 1.52	5.20	D	3.2
1982	4	21	21	19	30.48	35 0.26 -119 20.03	4.35	D	3.2
1982	4	22	16	35	1.06	37 30.59 -118 48.14	5.00	C	3.4
1982	4	24	0	17	47.46	35 46.28 -117 43.96	3.96	A	3.1
1982	4	25	4	13	25.94	35 46.17 -117 43.87	4.93	A	3.6
1982	4	27	15	42	40.18	35 46.19 -117 43.89	4.97	A	3.7
1982	4	29	15	33	45.46	33 33.90 -118 55.38	5.29	D	3.7
					FELT BRENTWOOD, L.A.				
1982	4	30	6	43	37.50	34 54.64 -120 21.41	6.00	C	3.7
					FELT SANTA MARIA				
1982	5	3	8	23	59.03	33 57.36 -118 45.03	13.74	A	3.0
1982	5	6	14	8	16.14	31 50.96 -115 56.68	6.00	C	3.3
1982	5	6	16	37	43.46	36 0.69 -117 50.08	5.24	A	3.0
1982	5	7	12	17	32.38	37 38.33 -118 55.46	6.28	B	3.4
1982	5	7	12	17	44.45	37 31.70 -118 52.72	4.64	D	3.6
					FELT CROWLEY LAKE				
1982	5	7	12	29	53.05	37 38.66 -118 55.71	8.65	B	3.7
					FELT CROWLEY LAKE				
1982	5	7	12	44	38.83	37 38.59 -118 55.80	7.27	B	3.2
					FELT CROWLEY LAKE				
1982	5	7	22	26	34.14	35 37.67 -120 46.19	6.00	C	3.3
1982	5	8	3	57	11.75	37 38.07 -118 56.58	7.86	A	4.0
1982	5	9	7	5	44.14	37 39.03 -118 57.37	5.35	C	3.7
1982	5	9	7	7	53.51	37 39.92 -118 56.53	5.45	C	3.7
1982	5	10	16	14	6.29	37 39.18 -118 57.67	5.27	D	3.1
1982	5	14	20	5	6.31	35 48.49 -117 45.06	3.44	A	3.1
1982	5	25	12	45	32.49	31 41.06 -115 51.61	9.03	D	4.3
1982	5	25	13	44	30.29	33 33.01 -118 11.49	6.00	C	4.3
					FELT ORANGE, L.A. CO.				

DATE	TIME				LAT.	LONG.		DEPTH	Q	MAG.
1982	5	26	4	5	15.07	33	32.87 -118	12.17	6.00	C 3.1
1982	5	28	13	3	0.65	31	42.65 -115	52.96	7.47	D 4.3
1982	5	31	15	42	3.06	35	43.04 -118	25.24	13.38	B 3.6
					FELT	LAKE ISABELLA				
1982	6	1	1	57	11.11	35	42.97 -118	23.75	7.40	A 3.1
1982	6	4	16	41	47.56	37	27.52 -118	22.12	9.22	C 4.1
1982	6	4	20	33	22.01	37	27.90 -118	22.13	2.45	C 3.0
1982	6	8	20	5	35.81	35	45.70 -117	43.64	4.86	A 3.1
1982	6	9	3	27	9.21	33	56.56 -116	53.13	14.00	A 3.1
					FELT	PALM SPRINGS				
1982	6	10	8	6	1.46	32	35.00 -115	37.93	5.81	C 3.1
1982	6	15	11	59	32.78	32	38.17 -118	53.98	5.00	D 3.3
1982	6	15	23	49	21.32	33	33.49 -116	40.03	12.17	A 4.9
					FELT	L.A. AREA TO MEXICAN BORDER				
1982	6	15	23	56	5.12	33	33.48 -116	40.25	11.16	A 3.0
1982	6	16	0	3	55.67	33	33.08 -116	39.99	12.84	A 3.0
1982	6	16	0	14	52.34	33	33.27 -116	39.89	12.67	A 3.4
1982	6	16	3	16	6.18	33	54.73 -117	2.67	12.53	A 3.1
1982	6	16	11	20	18.36	33	33.00 -116	39.87	12.41	A 3.1
					FELT	EL CENTRO				
1982	6	18	14	36	20.92	32	5.07 -118	46.73	6.00	C 3.1
1982	6	22	1	5	26.69	37	32.66 -118	53.57	0.81	C 3.1
1982	6	22	4	19	36.96	34	53.91 -120	22.89	6.00	C 3.0
					FELT	SANTA MARIA				
1982	6	24	10	8	0.37	37	27.33 -118	50.07	1.94	C 3.7
1982	6	25	3	58	23.32	35	57.32 -120	32.82	8.42	B 4.1
					FELT	PASO ROBLES				
1982	6	27	5	20	1.78	35	56.94 -120	32.72	9.62	B 3.6
1982	6	27	11	21	33.21	32	57.23 -116	26.03	2.50	B 3.2
1982	6	27	16	14	59.95	33	29.28 -116	27.76	14.52	A 3.1
1982	6	28	7	32	46.38	31	23.00 -115	54.24	5.04	D 3.2
1982	6	30	13	47	49.10	36	8.50 -118	16.12	0.18	A 3.2
1982	7	3	23	22	27.61	31	43.50 -116	7.80	5.00	D 3.0
1982	7	4	12	44	3.40	35	46.02 -117	44.03	5.14	A 3.4
1982	7	7	8	44	33.65	34	9.03 -116	42.13	11.39	A 3.6
					FELT	PALM DESERT, LUCERNE VALLEY				
1982	7	12	1	6	26.15	34	6.66 -116	23.80	4.26	A 3.2
1982	7	17	0	9	7.85	37	35.54 -118	49.25	11.00	A 3.3
1982	7	21	9	28	18.74	35	21.55 -119	25.45	4.99	C 3.1
1982	7	29	2	3	2.77	31	46.71 -116	1.96	5.32	D 3.1
1982	7	29	5	50	8.56	33	56.31 -118	43.29	11.75	A 3.4
1982	7	31	0	57	58.35	35	45.44 -117	43.64	4.92	A 3.1
1982	8	3	16	38	5.31	33	15.71 -116	25.15	3.45	A 3.6
1982	8	4	3	43	51.59	32	7.07 -116	12.51	5.25	D 3.1
1982	8	5	4	2	19.84	33	15.78 -116	25.06	3.46	A 3.5
					FELT	BORREGO SPRINGS				
1982	8	5	15	38	30.33	37	37.19 -118	53.79	2.04	C 3.7
1982	8	8	23	30	56.21	38	4.54 -118	54.36	10.00	B 3.4

DATE	TIME		LAT.	LONG.	DEPTH	Q	MAG.
1982	8 10	18 37	4.17	32 55.34 -115 32.05	5.31	A	3.6
			FELT	EL CENTRO			
1982	8 14	2 37	59.09	34 10.24 -117 20.47	4.60	A	3.0
			FELT	SAN BERNARDINO			
1982	8 14	5 13	50.21	34 59.78 -118 30.40	9.67	A	3.5
1982	8 15	18 58	10.12	37 28.88 -118 52.39	0.72	C	3.3
1982	8 21	5 52	50.63	31 46.71 -116 1.35	5.48	D	3.0
1982	8 21	10 20	42.40	33 15.25 -116 25.31	2.16	A	3.4
			FELT	BORREGO SPRINGS			
1982	8 22	4 25	16.63	37 28.54 -118 52.02	1.85	C	3.2
1982	8 24	7 27	34.66	37 32.76 -118 49.82	0.54	B	3.3
1982	8 26	19 39	7.67	37 35.34 -118 47.47	6.90	A	3.8
			FELT	MAMMOTH LAKES			
1982	8 26	22 28	2.81	33 15.48 -115 58.54	3.71	A	3.5
			FELT	SALTON SEA			
1982	8 27	4 25	37.70	33 55.58 -117 49.06	12.95	A	3.4
1982	8 28	21 19	4.36	31 30.32 -115 37.47	7.13	D	3.8
1982	8 29	5 2	34.16	37 22.83 -118 26.25	1.34	C	3.7
1982	8 29	21 8	3.21	38 8.68 -118 20.91	5.64	B	4.2
1982	8 30	9 52	22.41	38 13.59 -118 20.37	5.01	D	3.7
1982	9 5	5 21	26.33	32 56.43 -115 49.89	3.99	A	4.2
			FELT	BRAWLEY, EL CENTRO			
1982	9 5	6 27	39.80	33 27.42 -116 53.53	2.87	A	3.0
1982	9 6	15 12	9.32	32 56.41 -115 49.73	3.60	A	3.3
1982	9 8	18 7	4.29	37 28.58 -118 49.94	0.73	C	3.3
1982	9 8	18 42	18.27	37 28.67 -118 49.90	1.91	C	3.9
1982	9 9	23 39	15.46	37 28.79 -118 49.85	2.11	C	3.1
1982	9 10	17 47	5.62	33 38.22 -119 1.11	6.00	C	3.0
1982	9 13	9 4	27.92	31 51.33 -116 42.37	4.89	D	3.3
1982	9 16	19 19	52.57	37 27.69 -118 48.77	1.91	C	3.2
1982	9 17	10 57	50.28	33 56.75 -118 19.53	15.13	A	3.0
			FELT	L.A. AREA			
1982	9 19	2 58	36.08	37 30.53 -118 44.16	1.49	C	3.3
1982	9 19	16 55	20.32	37 39.88 -118 50.84	5.04	B	3.3
1982	9 20	9 36	29.81	32 53.86 -119 56.14	6.57	D	3.7
1982	9 21	18 17	12.18	34 24.23 -119 47.96	0.49	A	3.1
			FELT	SANTA BARBARA TO S.L.O.			
1982	9 23	3 27	59.38	37 27.66 -118 48.93	1.55	C	4.1
			FELT	MAMMOTH LAKES			
1982	9 23	3 31	43.29	37 27.61 -118 48.79	2.14	C	3.1
1982	9 23	20 42	51.49	34 53.70 -120 21.98	6.00	C	3.8
			FELT	SANTA MARIA TO OXNARD			
1982	9 24	1 21	25.53	34 53.57 -120 21.20	6.00	C	3.1
1982	9 24	2 43	49.16	34 52.49 -120 22.06	6.00	C	3.3
1982	9 24	7 40	24.77	37 51.46 -118 9.02	5.09	D	5.3
			FELT	MAMMOTH LAKES			
1982	9 25	20 38	10.85	33 17.21 -118 19.59	0.05	B	3.1
1982	9 25	23 29	46.28	36 22.95 -117 52.47	1.51	A	3.3

DATE	TIME			LAT.	LONG.	DEPTH	Q	MAG.
1982	9	28	0 41	49.10	37 27.83 -118 48.66	1.58	C	4.0
1982	9	28	3 32	19.17	37 27.27 -118 49.07	1.89	C	3.6
1982	9	28	3 37	24.89	37 28.03 -118 48.43	1.96	C	3.7
1982	9	28	10 43	51.14	35 44.24 -117 45.13	9.77	A	3.2
				FELT	RIDGECREST			
1982	9	29	18 19	15.96	35 44.27 -117 45.02	9.20	A	3.7
				FELT	RIDGECREST			
1982	9	29	18 21	1.07	35 44.49 -117 45.11	9.17	A	4.1
				FELT	RIDGECREST			
1982	9	29	19 37	14.66	35 44.38 -117 45.21	9.63	A	3.2
1982	9	30	22 38	10.55	35 44.53 -117 45.03	9.20	A	4.0
1982	10	1	1 33	35.49	37 54.95 -118 8.44	11.15	C	4.1
1982	10	1	9 21	16.35	35 44.65 -117 45.12	4.13	A	3.0
1982	10	1	12 19	32.63	35 43.48 -117 45.19	8.42	A	3.1
1982	10	1	14 29	2.53	35 43.84 -117 45.08	9.15	A	4.9
				FELT	KERN CO. TO GLENDALE			
1982	10	1	14 33	6.35	35 41.85 -117 44.33	4.27	A	3.1
1982	10	1	14 37	10.55	35 43.59 -117 43.87	7.17	A	3.0
1982	10	1	17 14	42.12	35 45.07 -117 45.43	8.18	A	3.8
1982	10	1	20 1	26.25	35 45.01 -117 45.35	8.32	A	3.1
1982	10	1	20 45	55.43	35 44.63 -117 43.94	6.09	A	3.6
1982	10	1	20 46	3.41	35 45.00 -117 44.00	6.00	D*	3.8
1982	10	1	21 14	13.29	35 43.52 -117 44.32	4.90	A	3.1
1982	10	1	22 10	21.86	35 43.21 -117 45.53	6.80	A	4.2
1982	10	1	22 10	33.03	35 43.00 -117 46.00	7.00	D*	4.2
1982	10	1	22 11	28.80	35 43.45 -117 45.53	6.86	B	4.2
1982	10	2	9 33	6.14	37 52.98 -118 8.13	10.16	D	3.9
1982	10	2	11 52	14.90	37 27.41 -118 48.96	2.09	C	3.2
1982	10	2	14 1	56.39	35 48.80 -117 44.45	6.32	A	3.4
1982	10	2	16 1	21.05	35 44.93 -117 45.46	7.87	A	3.4
1982	10	3	10 20	51.90	32 2.42 -116 21.32	5.30	D	3.2
1982	10	4	2 23	59.97	37 52.38 -118 9.57	5.05	B	4.0
1982	10	4	18 43	28.54	35 45.02 -117 45.52	7.71	A	3.7
1982	10	6	10 38	16.53	35 25.66 -118 16.33	9.54	B	3.5
1982	10	7	15 50	5.01	35 42.83 -117 44.39	5.04	A	3.2
1982	10	7	17 54	36.00	35 44.13 -117 43.62	9.72	A	3.8
1982	10	8	20 37	3.27	31 44.76 -116 2.63	5.00	C	3.0
1982	10	12	8 22	46.53	35 48.71 -117 43.97	9.38	A	3.4
1982	10	14	16 11	26.14	37 27.85 -118 47.73	1.78	D	3.6
1982	10	14	16 28	5.73	37 27.67 -118 48.40	1.81	C	3.2
1982	10	14	19 34	50.24	37 29.18 -118 49.25	8.62	B	3.8
1982	10	15	9 57	20.49	34 12.69 -118 39.71	4.66	A	3.2
				FELT	SAN FERNANDO VALLEY			
1982	10	16	12 51	42.72	37 26.70 -118 49.93	8.12	C	3.4
1982	10	16	12 54	13.31	37 27.97 -118 49.02	8.00	C	3.9
1982	10	16	12 54	40.72	37 27.00 -118 50.00	9.00	D*	3.4
1982	10	16	13 53	20.47	37 27.52 -118 49.21	0.09	C	3.5
1982	10	19	0 49	42.21	35 31.30 -119 6.67	5.81	C	3.5
				FELT	BAKERSFIELD			

DATE	TIME	IAT.	LONG.	DEPTH	Q	MAG.
1982 10 19	14 27	45.53	33 15.80 -115 59.06	4.12	A	3.0
1982 10 24	19 23	19.03	34 4.82 -119 13.93	4.46	B	3.6
		FELT OXNARD				
1982 10 25	22 26	4.05	36 19.16 -120 30.97	11.13	B	5.8
		FELT SACRAMENTO TO L.A.				
1982 10 25	22 34	31.81	36 18.94 -120 31.44	2.34	C	3.4
1982 10 25	23 12	17.69	36 19.37 -120 31.68	4.06	C	4.3
1982 10 25	23 15	54.38	36 19.61 -120 31.50	10.49	B	4.0
1982 10 25	23 35	20.39	36 18.66 -120 30.94	5.00	C	3.5
1982 10 26	15 48	43.51	36 18.30 -120 30.67	8.60	C	3.5
1982 10 27	21 29	39.27	36 19.82 -120 31.18	10.41	C	3.3
1982 10 29	0 52	10.92	36 20.19 -120 31.42	10.14	C	3.1
1982 10 29	9 20	20.57	35 43.08 -117 44.42	5.52	A	3.1
1982 10 30	14 43	13.25	35 43.62 -117 45.45	7.06	A	3.1
1982 11 4	5 47	57.32	35 53.31 -118 2.45	7.48	A	3.0
1982 11 10	11 21	25.71	34 3.32 -116 39.98	8.40	A	4.1
		FELT MORONGO VALLEY				
1982 11 10	13 29	57.58	37 28.69 -118 49.69	5.00	C	3.6
1982 11 12	5 26	48.11	37 51.25 -118 8.77	2.47	B	3.8
1982 11 12	21 57	12.55	35 19.50 -120 32.76	6.00	C	3.4
		FELT SAN LUIS OBISPO				
1982 11 21	17 22	48.77	32 53.56 -115 56.90	4.30	A	3.1
1982 11 21	22 41	35.19	31 46.40 -116 2.00	6.00	C	3.3
1982 11 28	14 43	18.46	37 27.53 -118 49.02	1.94	C	3.6
1982 12 2	22 44	25.23	34 16.99 -119 34.88	12.60	A	3.3
1982 12 7	9 43	47.83	36 6.68 -114 36.63	6.00	C	3.8
1982 12 10	0 37	41.86	31 41.06 -116 5.89	4.45	D	3.8
1982 12 12	10 38	5.48	37 32.84 -118 48.68	1.70	C	3.6
1982 12 12	20 59	8.33	37 32.46 -118 48.58	1.64	C	3.9
1982 12 13	16 1	0.83	31 33.73 -115 35.79	5.05	D	3.8*
1982 12 13	16 10	32.58	31 33.29 -115 36.75	4.96	D	3.4*
1982 12 13	21 3	57.39	31 32.07 -115 38.49	5.00	D	3.0*
1982 12 13	21 8	29.19	31 27.90 -115 39.32	4.06	D	3.0*
1982 12 14	1 14	43.10	31 32.50 -115 36.68	4.61	D	3.0*
1982 12 14	17 15	7.34	31 34.67 -115 37.75	5.43	D	4.1
1982 12 14	17 18	37.11	31 34.27 -115 39.88	4.64	D	3.1*
1982 12 15	5 53	6.71	31 32.94 -115 34.53	9.54	D	4.0
1982 12 15	15 36	21.35	31 32.54 -115 36.12	4.90	D	3.8
1982 12 18	1 42	23.17	31 34.92 -115 32.93	4.95	D	3.6
1982 12 18	15 39	22.33	31 31.15 -115 36.12	5.00	D	3.5
1982 12 19	2 28	23.01	35 4.69 -116 49.32	6.00	C	3.0
1982 12 19	4 31	13.66	37 5.07 -115 53.90	0.99	D	3.1*
1982 12 19	9 38	49.25	35 50.06 -120 24.56	6.86	B	3.0
1982 12 19	17 38	46.98	36 49.94 -115 18.83	0.79	D	3.0*
1982 12 20	4 11	0.75	37 32.42 -118 49.29	7.16	B	3.3
1982 12 21	22 28	12.38	37 37.69 -118 56.87	5.92	A	3.8
1982 12 22	9 40	49.15	37 20.45 -118 34.22	0.18	D	3.4
1982 12 22	9 40	50.68	37 22.67 -118 38.19	8.00	D	3.4

DATE	TIME			LAT.	LONG.		DEPTH	Q	MAG.
1982 12 22	12	46	59.91	33	27.52	-116	34.26	12.49	A 3.1
1982 12 22	14	47	36.88	35	44.90	-117	44.92	10.48	A 3.6
1982 12 22	19	32	51.76	31	46.98	-116	1.57	6.00	C 3.1*
1982 12 23	1	42	55.76	31	35.68	-115	36.74	0.73	D 3.6
1982 12 23	10	47	1.67	37	32.95	-118	47.44	5.20	D 3.2
1982 12 23	13	51	59.74	35	52.95	-120	26.07	6.47	B 3.0
1982 12 26	1	54	55.32	35	48.72	-117	44.42	6.96	A 3.3
1982 12 26	5	54	52.73	31	25.09	-115	32.02	6.00	C 3.5*
1982 12 28	0	49	38.20	37	29.78	-118	47.24	2.03	C 3.7
1982 12 28	7	15	14.33	37	29.56	-118	47.46	2.12	C 3.4
1982 12 28	7	20	23.60	35	48.61	-117	44.80	7.29	A 3.1
1982 12 28	19	6	24.65	38	2.16	-118	22.81	4.17	C 4.9
1982 12 30	4	0	29.50	33	57.33	-118	49.41	0.43	B 3.6
FELT MALIBU									
1982 12 31	9	7	23.32	35	48.68	-117	44.31	6.32	A 4.1
1982 12 31	19	50	8.85	35	48.50	-117	44.57	6.14	A 3.5
1982 12 31	19	56	7.62	35	48.46	-117	44.95	5.54	A 3.4

DATE	TIME					LAT.		LONG.		DEPTH	Q	MAG.
1983	1	2	6	20	2.25	36	5.81	-118	5.46	5.79	C	3.0
1983	1	2	16	32	22.22	36	26.25	-116	38.23	6.00	D	3.2
1983	1	2	22	9	58.19	33	45.67	-115	56.41	6.86	C	3.2
1983	1	3	17	39	45.05	36	29.04	-116	32.90	6.00	D	3.0
1983	1	4	3	3	5.04	35	48.37	-117	44.29	4.73	A	4.0
FELT RIDGECREST												
1983	1	4	18	58	25.74	33	45.93	-115	56.14	3.50	A	3.2
1983	1	5	9	17	16.11	37	35.19	-117	48.43	6.00	D	3.3
1983	1	5	11	59	4.53	35	44.14	-117	44.59	5.10	A	3.1
1983	1	6	20	30	51.45	35	48.91	-117	44.07	4.56	A	3.0
1983	1	7	0	49	56.63	37	38.64	-118	55.86	2.68	D	3.1
1983	1	7	1	18	51.31	37	38.08	-118	55.74	7.51	C	3.2
1983	1	7	1	31	26.58	37	37.70	-118	54.08	6.00	D	4.2
1983	1	7	1	33	47.50	37	40.00	-118	50.00	6.00	D*	3.1
1983	1	7	1	34	22.70	37	40.00	-118	50.00	6.00	D*	3.3
1983	1	7	1	35	1.34	37	40.00	-118	50.00	6.00	D*	3.8
1983	1	7	1	36	48.72	37	34.57	-118	51.27	6.00	D	4.3
1983	1	7	1	38	11.60	37	34.73	-118	54.26	6.00	D	5.6
FELT MAMMOTH LAKES												
1983	1	7	1	44	49.23	37	34.37	-118	52.82	6.00	D	3.1*
1983	1	7	1	45	40.95	37	32.12	-118	54.01	6.00	D	4.1
1983	1	7	1	48	23.34	37	28.83	-118	56.35	3.99	D	3.5
1983	1	7	1	54	32.36	37	27.98	-118	54.56	4.98	D	3.1
1983	1	7	1	57	43.99	37	35.50	-118	51.30	5.00	D	3.6
1983	1	7	2	0	33.08	37	29.03	-118	58.87	5.00	D	3.7
1983	1	7	2	2	37.21	37	35.70	-118	49.72	2.50	D	3.5
1983	1	7	2	10	0.46	37	35.00	-118	55.00	5.00	D*	3.0
1983	1	7	2	13	45.22	37	36.96	-118	55.60	2.50	D	3.8
1983	1	7	2	16	4.84	37	24.47	-119	4.42	5.00	D	3.4
1983	1	7	2	17	52.91	37	30.60	-118	54.87	5.01	D	3.1
1983	1	7	2	20	12.00	37	31.65	-118	58.81	2.50	D	3.0
1983	1	7	2	20	46.16	37	44.28	-118	41.16	2.50	D	3.6
1983	1	7	2	28	21.02	37	28.81	-119	1.27	5.00	D	3.0
1983	1	7	2	37	46.50	37	25.14	-118	58.15	4.99	D	3.0
1983	1	7	2	45	46.64	37	30.45	-118	51.81	2.50	D	3.5
1983	1	7	2	51	17.29	37	28.93	-118	58.16	2.50	D	3.4
1983	1	7	2	53	24.84	37	29.02	-119	0.51	2.50	D	3.0
1983	1	7	2	54	48.62	37	30.00	-118	52.00	6.00	D*	3.3
1983	1	7	3	22	59.05	37	33.82	-118	57.14	5.00	D	3.3
1983	1	7	3	24	19.08	37	39.82	-119	0.49	5.00	D	5.6
FELT MAMMOTH LAKES												
1983	1	7	3	27	30.61	37	40.00	-119	0.00	5.00	D*	3.8
1983	1	7	3	30	23.77	37	37.52	-118	57.17	4.99	D	4.5
1983	1	7	3	43	9.75	37	28.72	-118	59.67	4.06	D	3.5
1983	1	7	3	54	58.28	37	36.76	-118	53.18	5.00	D	3.2
1983	1	7	3	56	48.89	37	31.13	-118	54.36	5.00	D	3.3
1983	1	7	4	47	24.72	37	30.47	-118	58.32	5.00	D	3.5

DATE		TIME		LAT.	LONG.	DEPTH	Q	MAG.
1983	1	7	4 49	52.40	37 38.65 -118 57.02	5.00	D	3.7
1983	1	7	4 54	56.12	37 30.67 -118 57.67	4.67	D	3.3
1983	1	7	5 11	3.77	37 39.51 -118 47.16	4.94	D	3.7
1983	1	7	5 16	30.64	37 30.29 -118 58.67	4.85	D	3.3
1983	1	7	5 20	44.28	37 29.69 -118 57.68	4.99	D	3.1
1983	1	7	6 14	38.16	37 38.90 -118 53.12	6.00	C	3.2
1983	1	7	6 38	25.63	37 40.34 -118 59.02	6.00	C	3.9
1983	1	7	7 14	24.88	37 39.22 -118 59.23	6.00	C	3.6
1983	1	7	7 15	40.43	37 38.71 -118 58.80	6.00	C	3.4
1983	1	7	8 8	11.14	37 38.60 -118 56.06	6.00	C	3.8
1983	1	7	8 45	53.49	37 38.87 -118 55.90	6.00	C	3.6
1983	1	7	11 12	37.39	37 38.21 -118 54.35	6.00	C	3.5
1983	1	7	13 12	48.54	37 39.12 -118 59.72	6.00	C	3.5
1983	1	7	13 43	43.02	35 44.44 -117 44.48	4.87	A	3.5
FELT RIDGECREST								
1983	1	7	14 3	22.34	35 48.96 -117 43.53	3.43	A	3.0
1983	1	7	16 33	9.83	37 40.07 -118 58.27	6.00	C	3.6
1983	1	7	18 5	5.19	37 39.57 -118 58.45	6.00	C	3.1
1983	1	7	22 2	43.26	31 35.05 -115 39.98	6.00	D	3.3
1983	1	7	23 9	54.46	37 38.96 -118 54.20	6.00	C	3.6
1983	1	7	23 12	32.22	37 39.01 -118 53.36	6.00	C	3.2
1983	1	8	6 17	42.01	37 41.08 -118 54.52	6.00	C	3.6
1983	1	8	6 37	39.93	37 40.39 -118 58.33	6.00	C	3.3
1983	1	8	7 19	30.41	34 7.96 -117 27.22	7.63	A	4.1
FELT RIVERSIDE, SAN BERNARDINO								
1983	1	8	7 30	58.73	35 44.48 -117 44.50	4.80	A	3.0
1983	1	8	10 16	29.97	37 38.61 -118 54.74	6.00	C	3.5
1983	1	8	10 31	59.23	37 39.20 -118 55.97	6.00	C	3.2
1983	1	8	12 28	31.38	37 40.70 -118 53.62	6.00	C	3.2
1983	1	8	16 28	3.87	37 40.73 -118 57.57	6.00	C	3.5
1983	1	8	17 2	9.40	37 40.40 -118 52.37	6.00	D	3.0
1983	1	9	11 4	35.02	37 37.73 -118 54.98	6.00	C	3.2
1983	1	9	11 57	42.37	37 37.19 -118 55.78	6.00	C	3.9
1983	1	9	13 38	30.53	37 37.59 -118 59.00	6.00	C	3.2
1983	1	10	4 46	33.29	33 59.08 -118 44.24	8.90	B	3.0
FELT MALIBU								
1983	1	10	6 3	37.31	37 38.37 -118 54.92	6.00	C	3.3
1983	1	11	5 46	29.62	37 37.51 -118 52.73	6.00	C	3.3
1983	1	11	5 47	41.20	37 37.33 -118 53.11	6.00	C	3.7
1983	1	11	5 48	30.03	37 27.81 -118 53.44	6.00	D	3.0
1983	1	12	16 56	51.24	33 33.61 -120 2.59	6.00	D	3.5
1983	1	12	17 19	1.29	33 34.08 -120 2.33	6.00	D	3.9
1983	1	12	18 30	7.40	32 3.94 -115 46.99	6.00	D	4.3
FELT SAN DIEGO AREA								
1983	1	13	7 12	46.61	36 21.17 -120 17.01	6.00	C	3.1*
1983	1	15	23 37	9.39	33 21.37 -116 16.52	10.43	A	3.3
1983	1	16	2 41	58.51	35 56.70 -118 36.87	6.00	C	3.0
1983	1	16	20 7	39.49	34 24.94 -116 0.56	6.00	C	3.0

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1983	1	17	1 9	0.81	35 42.14 -118 36.45	7.46	C	3.6
			FELT	BAKERSFIELD				
1983	1	17	1 22	29.41	37 39.10 -118 57.81	6.00	C	3.7
1983	1	17	5 0	29.81	31 35.71 -115 27.12	6.00	D	3.8
1983	1	22	2 47	48.32	35 42.25 -118 36.82	7.95	C	3.0
1983	1	22	18 6	6.49	37 38.18 -118 58.09	6.00	C	3.3
1983	1	22	19 13	20.41	33 20.91 -116 56.57	4.64	A	3.1
1983	1	24	3 38	36.49	32 59.01 -115 55.24	6.60	C	3.4
1983	1	25	10 10	41.36	37 30.86 -118 52.78	6.00	C	4.5
1983	1	25	13 30	22.45	37 30.00 -118 58.97	6.00	C	3.4
1983	1	26	11 5	46.27	31 22.70 -116 3.43	6.00	D	3.1*
1983	1	26	19 3	57.52	32 15.30 -115 57.57	6.00	D	3.0
1983	1	26	23 15	5.67	33 1.62 -116 25.43	5.67	A	3.0
1983	1	27	11 28	4.61	37 30.66 -118 53.78	6.00	D	3.0
1983	1	28	14 54	8.92	33 56.52 -118 43.55	12.78	B	3.6
1983	1	29	15 4	38.87	37 38.72 -118 56.62	6.00	C	3.2
1983	1	29	15 6	1.54	37 38.92 -118 56.92	6.00	C	4.1
1983	1	29	15 19	48.20	37 38.80 -118 57.16	6.00	D	3.1
1983	1	31	10 13	41.31	37 30.54 -118 53.24	6.00	C	3.9
1983	1	31	10 22	24.69	37 30.79 -118 53.81	6.00	C	3.8
1983	1	31	16 36	2.90	37 23.29 -118 50.63	6.00	C	3.3
1983	2	1	22 9	7.89	35 46.40 -117 43.62	6.67	B	3.4
			FELT	RIDGECREST				
1983	2	4	7 15	10.67	37 38.46 -118 57.66	6.00	C	4.3
1983	2	4	10 56	56.46	37 37.59 -118 58.08	6.00	C	3.0
1983	2	4	12 57	31.29	37 31.31 -118 54.18	6.00	C	3.0
1983	2	4	15 2	24.72	37 37.50 -118 58.26	6.00	C	3.8
1983	2	4	16 19	15.24	32 54.81 -116 30.09	6.00	C	3.5
			FELT	SAN DIEGO				
1983	2	4	17 2	58.18	37 37.75 -118 57.74	6.00	C	3.8
1983	2	11	12 56	56.50	37 30.71 -118 51.36	6.00	D	3.0
1983	2	15	4 29	38.26	32 4.71 -116 19.65	6.00	C	3.0
1983	2	18	5 34	36.92	37 35.69 -118 36.51	6.00	D	3.6
1983	2	18	7 31	45.39	32 49.79 -116 6.19	10.65	C	3.4
1983	2	19	9 19	11.97	37 38.28 -118 58.69	6.00	C	3.7
1983	2	19	11 8	28.05	37 29.26 -118 52.82	6.00	D	3.9
1983	2	20	0 50	17.32	37 38.49 -118 59.56	6.00	C	3.8
1983	2	21	18 12	6.90	31 21.05 -116 25.16	6.00	D	3.0
1983	2	22	2 18	30.81	33 5.71 -117 54.16	6.00	C	4.3
			FELT	L.A. TO SAN DIEGO				
1983	2	22	5 40	40.69	32 36.00 -115 28.05	6.00	C	3.1
1983	2	22	12 40	6.03	37 37.21 -118 57.82	6.00	C	3.0
1983	2	24	12 14	5.20	34 5.18 -118 52.32	6.00	C	3.0
			FELT	MALIBU				
1983	2	24	18 12	31.72	38 4.97 -118 44.12	6.00	D	3.2
1983	2	24	19 52	1.14	37 36.34 -118 55.59	6.00	C	4.1
1983	2	25	0 56	15.64	37 28.81 -118 47.98	6.00	C	3.4
1983	2	26	4 43	33.34	31 24.39 -116 2.00	6.00	D	3.0

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1983	2	28	16	31	32.68	36	7.43 -120 18.82	6.00	D	3.3
1983	3	1	1	49	16.47	35	48.95 -117 44.19	5.50	A	3.2
1983	3	1	20	18	35.84	33	56.55 -118 19.14	6.00	C	3.8
FELT SOUTH BAY AREA TO LONG BEACH										
1983	3	2	14	23	55.26	35	47.17 -117 43.55	7.31	B	3.1
1983	3	4	5	51	20.30	35	47.33 -117 42.79	6.89	B	3.1
1983	3	8	21	22	9.44	32	13.20 -115 49.21	6.00	D	3.0
1983	3	9	0	49	22.74	31	31.76 -115 32.19	6.00	D	3.3
1983	3	9	7	25	1.58	31	33.36 -115 31.34	6.00	D	3.1*
1983	3	9	9	8	24.33	31	27.20 -115 40.50	6.00	D	3.0
1983	3	11	5	26	29.83	35	45.90 -117 42.61	4.76	A	3.2
1983	3	12	11	14	45.26	31	27.42 -115 31.94	6.00	D	3.6
1983	3	12	16	40	4.46	31	21.12 -116 1.54	6.00	D	3.4
1983	3	12	17	4	46.11	35	46.33 -117 42.73	4.89	A	3.2
1983	3	15	3	16	0.62	37	28.48 -118 52.23	6.00	D	3.9
1983	3	16	0	42	4.91	35	35.65 -117 9.70	6.00	C	3.1
1983	3	16	15	25	28.27	37	30.56 -118 53.44	6.00	C	3.8
1983	3	23	19	11	55.73	37	33.00 -118 51.54	6.00	C	3.2*
1983	3	28	2	43	53.53	35	7.62 -119 1.05	6.00	D	3.2
1983	3	28	16	1	20.61	32	1.19 -116 14.92	6.00	D	3.3
1983	3	29	14	27	15.38	34	10.51 -117 24.75	6.00	C	3.2
FELT SAN BERNARDINO										
1983	3	31	6	45	6.93	33	48.56 -120 22.60	6.00	C	3.1
1983	4	1	22	56	58.46	34	56.05 -120 59.98	6.00	D	3.3
1983	4	2	14	8	55.39	31	55.34 -116 12.63	6.00	D	3.2
1983	4	3	5	21	14.63	37	36.45 -118 56.94	6.00	D	3.4*
1983	4	7	7	44	17.93	37	33.88 -118 54.00	6.00	D	3.0*
1983	4	10	17	19	21.32	33	43.63 -118 27.01	6.00	D	3.4
FELT HAWTHORNE, NEWPORT BEACH										
1983	4	11	16	4	51.63	31	39.97 -115 51.59	6.00	D	3.0*
1983	4	15	16	33	21.55	32	34.48 -115 18.33	6.00	C	3.1*
1983	4	16	12	25	27.15	34	21.21 -118 31.63	6.00	C	3.5
FELT SAN FERNANDO VALLEY										
1983	4	16	12	26	46.86	34	21.08 -118 32.03	6.00	C	3.6
FELT SAN FERNANDO VALLEY										
1983	4	16	22	35	25.31	34	1.74 -116 25.54	6.00	C	3.2
1983	4	17	11	49	39.73	35	21.00 -118 33.26	6.00	D	3.4
1983	4	21	11	37	39.54	36	10.47 -120 1.19	6.00	C	3.3
1983	4	22	9	12	39.51	36	9.49 -120 37.62	6.00	D	3.3
1983	4	23	22	16	25.61	31	17.52 -115 8.36	6.00	D	4.0
1983	4	24	19	18	39.15	37	33.80 -118 57.62	6.00	D	3.3
1983	5	1	3	45	26.17	33	13.52 -116 4.08	8.28	B	3.4
1983	5	2	23	42	37.76	36	13.15 -120 18.99	10.24	B	6.1
DAMAGE AT COALINGA										
1983	5	2	23	45	43.85	36	15.00 -120 15.00	6.00	D*	4.5*
1983	5	2	23	46	2.75	36	16.00 -120 15.00	6.00	D*	5.7
1983	5	2	23	52	17.90	36	16.13 -120 17.77	3.24	C	3.9
1983	5	2	23	54	48.28	36	15.00 -120 15.00	6.00	D*	4.1

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1983	5	2	23 55 29.62		36	6.34	-120 16.30		5.00	B	4.1
1983	5	2	23 56 35.81		36	9.93	-120 16.78		12.28	B	3.7*
1983	5	2	23 56 51.99		36	15.00	-120 15.00		6.00	D*	3.8
1983	5	2	23 57 27.35		36	15.00	-120 15.00		6.00	D*	4.1
1983	5	2	23 59 4.44		36	15.00	-120 15.00		6.00	D*	3.7
1983	5	3	0 0 22.23		36	12.27	-120 7.73		6.00	D	4.0
1983	5	3	0 4 41.63		36	13.34	-120 20.65		13.48	B	3.8
1983	5	3	0 8 7.13		36	10.59	-120 18.69		9.02	C	3.7
1983	5	3	0 9 22.81		36	7.98	-120 16.99		9.37	A	4.2
1983	5	3	0 12 20.35		36	14.33	-120 21.17		2.08	C	3.5
1983	5	3	0 13 18.76		36	10.39	-120 21.66		13.01	D	3.4
1983	5	3	0 14 48.11		36	12.27	-120 23.03		12.52	D	3.9
1983	5	3	0 15 36.69		36	4.47	-120 14.52		9.98	B	3.8
1983	5	3	0 16 28.98		36	15.00	-120 15.00		6.00	D*	3.8
1983	5	3	0 16 48.66		36	15.00	-120 15.00		6.00	D*	3.9
1983	5	3	0 17 59.06		36	12.60	-120 19.54		7.96	B	4.4
1983	5	3	0 18 51.63		36	15.00	-120 15.00		6.00	D*	3.9
1983	5	3	0 22 12.14		36	15.73	-120 20.64		8.84	B	3.7
1983	5	3	0 25 49.27		36	11.21	-120 33.24		12.70	B	3.4
1983	5	3	0 27 3.66		36	10.77	-120 24.32		0.89	D	3.2*
1983	5	3	0 27 40.73		36	13.31	-120 28.46		7.42	C	3.3
1983	5	3	0 28 16.24		36	15.55	-120 22.17		7.87	C	3.4
1983	5	3	0 29 5.72		36	9.90	-120 20.13		9.89	B	3.3
1983	5	3	0 30 41.55		36	17.95	-120 20.73		8.57	B	3.3*
1983	5	3	0 36 55.83		36	13.26	-120 20.73		10.52	A	3.1*
1983	5	3	0 37 8.88		36	15.00	-120 15.00		6.00	D*	3.2*
1983	5	3	0 38 8.75		36	12.01	-120 16.45		14.08	D	3.1*
1983	5	3	0 39 45.76		36	13.09	-120 20.78		12.57	B	4.3
1983	5	3	0 45 24.80		36	11.20	-120 19.33		7.67	B	3.4
1983	5	3	0 47 30.90		36	12.11	-120 15.72		9.98	A	3.9
1983	5	3	0 50 22.66		36	12.80	-120 18.99		8.98	A	3.5
1983	5	3	0 50 33.12		36	15.00	-120 15.00		6.00	D*	3.7
1983	5	3	0 53 6.74		36	7.65	-120 17.77		9.18	B	3.5
1983	5	3	0 57 43.79		36	16.05	-120 18.89		8.62	A	4.8
1983	5	3	1 3 39.45		36	11.19	-120 18.12		5.00	D	3.4
1983	5	3	1 6 56.69		36	10.83	-120 19.88		10.94	A	3.4
1983	5	3	1 11 5.55		36	11.56	-120 16.04		13.50	D	3.4
1983	5	3	1 12 3.40		36	7.05	-120 15.33		7.51	B	3.2
1983	5	3	1 16 40.34		36	13.04	-120 17.06		8.40	A	3.4
1983	5	3	1 18 57.48		36	13.24	-120 17.19		0.54	C	3.6
1983	5	3	1 26 12.79		36	15.00	-120 15.00		6.00	D*	3.3
1983	5	3	1 31 46.63		36	16.19	-120 21.41		9.02	A	3.0*
1983	5	3	1 33 4.94		36	15.60	-120 17.38		0.08	D	3.3
1983	5	3	1 34 44.61		36	15.00	-120 15.00		6.00	D*	3.5
1983	5	3	1 36 19.67		36	13.95	-120 17.40		4.43	B	3.5
1983	5	3	1 41 45.76		36	7.65	-120 13.69		8.73	A	4.2
1983	5	3	1 43 15.25		36	15.00	-120 15.00		6.00	D*	3.9
1983	5	3	1 54 17.09		36	12.85	-120 14.16		12.56	D	3.0*

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1983	5	3	1 55	46.38	36	12.81 -120	18.39	7.85	A	3.7
1983	5	3	1 58	7.98	36	10.26 -120	18.53	0.47	C	3.4
1983	5	3	2 3	5.70	36	15.59 -120	21.82	1.77	C	3.3
1983	5	3	2 15	14.74	36	13.42 -120	18.07	8.25	A	3.9
1983	5	3	2 17	40.91	36	15.66 -120	17.62	11.39	B	3.6
1983	5	3	2 24	8.15	36	11.33 -120	21.44	5.94	C	3.1*
1983	5	3	2 26	8.63	36	16.31 -120	22.43	9.89	A	3.9
1983	5	3	2 52	24.93	36	16.21 -120	19.97	6.15	A	3.1*
1983	5	3	3 0	34.31	36	10.18 -120	16.52	11.62	B	3.3
1983	5	3	3 22	1.75	36	13.23 -120	21.53	12.21	A	3.9
1983	5	3	3 28	40.43	36	16.46 -120	18.79	3.37	A	3.5
1983	5	3	3 36	52.77	36	9.69 -120	17.84	9.12	A	3.4
1983	5	3	3 38	52.01	36	13.36 -120	18.99	12.37	A	3.4
1983	5	3	3 40	25.16	36	12.30 -120	15.59	0.06	C	3.6
1983	5	3	3 50	40.61	36	9.55 -120	18.29	9.25	A	3.0*
1983	5	3	3 59	4.49	36	14.95 -120	19.43	9.91	A	3.5
1983	5	3	4 2	46.22	36	17.04 -120	16.07	4.88	B	3.0*
1983	5	3	4 16	10.55	36	12.75 -120	19.74	10.46	A	3.1*
1983	5	3	4 28	24.44	36	8.16 -120	13.59	9.28	A	3.0*
1983	5	3	4 31	11.44	36	16.86 -120	24.91	11.57	A	3.9
1983	5	3	4 32	30.46	36	19.01 -120	17.16	5.72	D	4.6
1983	5	3	4 35	2.30	36	15.00 -120	15.00	6.00	D*	3.4
1983	5	3	4 43	28.86	36	14.78 -120	21.63	11.24	A	3.5
1983	5	3	4 55	17.44	36	12.21 -120	16.20	9.10	A	3.4
1983	5	3	4 58	12.72	36	12.78 -120	16.19	10.57	A	3.4
1983	5	3	5 0	51.72	36	11.75 -120	17.92	11.76	A	3.4
1983	5	3	5 33	49.87	36	12.28 -120	17.10	9.62	A	3.5
1983	5	3	5 42	15.08	36	14.40 -120	21.74	11.64	A	3.2*
1983	5	3	5 46	27.57	36	13.04 -120	16.94	9.23	A	3.0*
1983	5	3	5 54	57.33	36	4.86 -120	24.61	10.20	D	3.2*
1983	5	3	5 58	29.04	36	12.42 -120	16.89	9.39	A	3.7*
1983	5	3	6 4	45.92	36	14.87 -120	24.51	10.85	A	4.4
1983	5	3	6 4	53.26	36	15.00 -120	15.00	6.00	D*	4.2*
1983	5	3	6 12	50.24	36	14.20 -120	23.70	7.44	A	3.7
1983	5	3	6 21	47.38	36	14.13 -120	19.90	9.65	A	3.1*
1983	5	3	6 35	2.98	36	11.91 -120	18.21	12.09	A	4.0
1983	5	3	6 36	24.46	36	15.00 -120	15.00	6.00	D*	3.8
1983	5	3	6 39	59.73	36	10.46 -120	17.21	8.82	A	3.1*
1983	5	3	6 59	8.51	36	14.28 -120	20.52	9.94	A	3.1*
1983	5	3	7 28	34.54	36	5.96 -120	19.39	3.01	C	3.7
1983	5	3	7 33	55.91	36	11.74 -120	15.56	10.11	A	3.0*
1983	5	3	7 35	25.01	36	7.63 -120	13.77	9.38	A	3.6
1983	5	3	7 39	19.59	36	10.10 -120	16.74	8.06	A	3.1*
1983	5	3	7 59	18.84	36	16.24 -120	20.79	7.45	A	3.2*
1983	5	3	7 59	31.91	36	15.00 -120	15.00	6.00	D*	3.4
1983	5	3	8 55	1.46	36	8.45 -120	16.34	8.07	A	4.5
1983	5	3	8 57	29.16	36	13.69 -120	17.99	9.11	B	3.4*
1983	5	3	9 24	16.57	36	11.45 -120	18.76	9.06	A	3.4

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1983	5	3	9 39	45.91	36	13.37 -120	18.46	10.35	C 3.9
1983	5	3	10 35	20.35	36	9.62 -120	17.18	8.93	A 3.6
1983	5	3	10 36	52.37	36	15.00 -120	15.00	6.00	D* 3.1*
1983	5	3	11 20	21.60	36	11.66 -120	16.81	9.30	A 3.3
1983	5	3	11 35	49.41	36	11.29 -120	16.24	8.74	A 3.2*
1983	5	3	11 56	1.30	36	13.17 -120	18.97	11.47	A 3.4*
1983	5	3	12 57	4.90	36	7.04 -120	13.24	10.34	A 3.5
1983	5	3	13 9	13.83	36	11.23 -120	14.29	12.98	B 3.9
1983	5	3	13 20	28.98	36	15.83 -120	20.83	6.72	B 3.2*
1983	5	3	13 22	18.19	36	12.42 -120	19.29	11.72	A 3.1*
1983	5	3	13 47	28.74	36	15.61 -120	23.52	10.68	A 3.3*
1983	5	3	13 48	52.31	36	12.84 -120	16.91	9.77	B 3.6
1983	5	3	14 13	40.70	36	12.74 -120	18.09	8.44	A 3.5
1983	5	3	14 14	54.52	36	3.43 -120	26.68	13.92	B 3.6
1983	5	3	14 20	22.38	36	16.95 -120	23.38	10.62	A 3.2*
1983	5	3	14 26	55.41	36	15.28 -120	20.60	8.02	A 4.1
1983	5	3	14 29	52.53	36	12.85 -120	17.41	9.65	A 3.3
1983	5	3	14 50	46.61	36	10.03 -120	17.78	10.27	A 3.6
1983	5	3	15 4	2.44	36	13.31 -120	18.30	8.01	A 3.4
1983	5	3	15 10	35.70	36	16.00 -120	21.53	8.83	A 3.9
1983	5	3	15 27	54.29	36	15.77 -120	20.34	8.19	A 3.1*
1983	5	3	15 41	41.24	36	13.52 -120	18.04	8.22	A 4.7
1983	5	3	16 2	8.40	36	12.29 -120	18.01	6.10	A 3.1*
1983	5	3	16 11	17.92	36	13.58 -120	18.50	8.28	A 3.0*
1983	5	3	16 17	0.99	36	8.57 -120	15.56	9.38	A 3.8
1983	5	3	16 22	37.52	36	12.12 -120	17.53	6.43	A 3.5
1983	5	3	16 55	12.70	36	10.19 -120	19.07	8.18	A 3.4
1983	5	3	17 1	29.25	36	12.37 -120	18.02	8.56	A 3.9
1983	5	3	17 9	36.21	36	10.49 -120	18.67	9.37	A 3.1*
1983	5	3	17 35	57.94	36	10.05 -120	15.79	10.18	A 3.1*
1983	5	3	17 44	38.03	36	15.08 -120	19.01	7.59	A 3.0*
1983	5	3	18 50	18.84	36	9.50 -120	19.23	7.75	A 3.1*
1983	5	3	20 56	52.34	36	7.90 -120	14.27	10.67	A 3.6
1983	5	3	21 36	57.48	36	8.90 -120	16.62	10.73	A 3.6
1983	5	3	22 29	44.27	36	11.68 -120	20.27	7.18	A 3.6
1983	5	3	23 46	3.02	36	7.22 -120	22.29	1.06	C 3.9
1983	5	3	23 57	12.52	36	18.85 -120	21.30	5.55	A 3.1*
1983	5	4	0 10	11.23	36	13.71 -120	14.31	6.00	D 3.1*
1983	5	4	0 36	50.81	36	9.07 -120	10.74	6.00	C 3.6
1983	5	4	1 27	31.46	36	7.28 -120	16.74	5.00	C 3.0*
1983	5	4	7 28	39.62	36	13.59 -120	16.34	6.00	C 4.5
1983	5	4	7 35	4.36	36	9.31 -120	14.24	7.53	C 3.2*
1983	5	4	7 39	7.36	36	18.93 -120	11.46	2.60	D 3.6
1983	5	4	8 48	53.04	36	11.44 -120	12.86	16.29	C 3.4*
1983	5	4	8 59	1.72	36	3.65 -120	10.46	15.84	C 3.1*
1983	5	4	12 0	26.51	36	12.33 -120	13.01	6.00	D 3.1*
1983	5	4	12 26	9.12	36	11.46 -120	14.37	14.54	C 3.1*
1983	5	4	13 29	16.36	36	6.23 -120	12.37	13.97	C 3.5

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1983	5	4	15	44	54.82	31	42.21	-116	4.60	6.00	D	3.3
1983	5	4	15	59	14.06	36	15.24	-120	13.36	7.05	D	3.9
1983	5	4	16	11	19.47	36	17.38	-120	17.89	17.89	D	4.2
1983	5	4	16	17	47.35	36	9.82	-120	10.01	5.68	D	3.2
1983	5	4	18	36	35.48	36	9.43	-120	17.63	9.48	A	3.1*
1983	5	4	19	45	3.33	36	6.71	-120	13.97	2.02	B	3.2*
1983	5	4	21	19	56.89	36	14.02	-120	25.73	5.00	A	3.1*
1983	5	4	22	3	42.67	36	10.75	-120	10.67	0.97	C	3.1*
1983	5	5	0	27	51.33	36	14.89	-120	13.33	5.56	D	3.5
1983	5	5	0	32	11.30	36	12.11	-120	10.24	7.16	D	3.1*
1983	5	5	0	32	23.05	36	15.00	-120	15.00	6.00	D*	3.3*
1983	5	5	1	56	42.24	36	12.89	-120	10.85	5.41	C	3.7
1983	5	5	3	31	8.19	36	11.93	-120	11.14	2.40	D	3.1*
1983	5	5	4	37	48.89	36	6.13	-120	9.60	2.33	C	3.8
1983	5	5	6	43	32.39	36	4.55	-120	2.43	13.11	D	3.0*
1983	5	5	8	6	26.77	36	6.75	-120	9.73	2.50	C	3.8
1983	5	5	10	20	44.38	36	15.59	-120	17.42	14.68	B	4.4
1983	5	5	11	33	40.50	36	15.29	-120	17.01	14.69	C	3.6
1983	5	5	11	50	50.12	36	9.12	-120	12.09	6.00	D	3.4
1983	5	5	12	42	16.36	36	13.10	-120	19.97	13.71	C	3.9
1983	5	5	14	40	8.36	36	12.70	-120	12.21	2.21	B	3.2*
1983	5	5	22	46	12.20	36	17.08	-120	25.54	10.23	A	3.2*
1983	5	6	4	31	25.72	36	19.05	-120	15.34	3.92	B	3.1*
1983	5	6	4	57	9.54	36	9.88	-120	12.36	8.79	C	3.3*
1983	5	6	9	43	39.47	36	8.85	-120	16.11	8.63	C	3.7
1983	5	6	11	51	44.53	36	15.98	-120	18.59	14.44	C	3.2*
1983	5	6	18	31	10.88	36	16.20	-120	15.51	1.00	C	3.2*
1983	5	6	23	28	43.78	36	6.23	-120	8.53	0.07	C	3.3
1983	5	7	0	17	16.04	36	16.52	-120	15.22	9.44	C	3.9
1983	5	7	5	15	2.22	36	7.10	-120	10.75	5.50	D	3.1*
1983	5	7	5	43	57.57	36	13.64	-120	12.57	7.56	C	3.4
1983	5	7	12	42	29.22	36	23.27	-120	17.24	5.96	C	3.5
1983	5	8	0	5	1.81	33	57.61	-116	59.65	15.43	B	3.4
1983	5	8	1	20	15.28	36	13.27	-120	15.47	8.41	B	3.5
1983	5	8	1	23	3.82	36	12.42	-120	18.00	12.15	A	3.1*
1983	5	8	3	45	35.00	36	16.41	-120	25.01	0.00	B	3.5
1983	5	8	7	38	11.96	36	16.83	-120	14.21	0.01	C	3.6
1983	5	8	10	6	32.14	33	3.47	-115	42.68	5.55	B	3.0
1983	5	8	10	37	21.46	36	12.34	-120	17.84	12.85	D	3.2*
1983	5	8	15	23	34.03	36	11.45	-120	20.16	2.87	A	3.4
1983	5	8	15	42	31.14	36	10.79	-120	20.37	11.14	B	3.0*
1983	5	8	19	18	25.41	36	16.71	-120	27.84	7.71	C	3.7
1983	5	8	20	25	40.24	36	12.63	-120	13.87	7.11	D	3.4
1983	5	9	2	49	11.81	36	14.44	-120	14.09	12.71	C	5.2
FELT COALINGA												
1983	5	9	3	12	45.36	36	13.39	-120	17.99	12.34	A	3.2*
1983	5	9	3	19	11.45	36	13.10	-120	13.10	12.51	C	3.4
1983	5	9	3	26	37.61	36	13.03	-120	14.79	0.00	D	4.9
FELT COALINGA												

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1983	5	9	3	30	40.38	36	16.11	-120	12.93	0.42	D	3.2*
1983	5	9	13	24	34.41	36	12.91	-120	15.33	10.84	B	3.1*
1983	5	10	3	28	5.68	33	9.51	-115	36.97	1.60	A	3.1
1983	5	10	9	40	1.45	35	49.09	-117	44.86	6.00	B	3.1
1983	5	10	10	12	16.76	33	9.45	-115	37.41	4.48	A	3.0
1983	5	10	13	26	30.07	36	20.51	-120	16.66	0.01	B	3.9
1983	5	10	15	22	45.12	36	15.36	-120	17.25	3.15	C	3.6
1983	5	10	17	20	41.75	37	28.65	-118	51.94	6.00	D	3.5
1983	5	10	17	31	6.38	36	23.69	-118	40.87	6.00	D	3.4
1983	5	10	19	0	29.42	36	20.08	-120	16.48	0.01	D	3.1*
1983	5	10	19	38	44.40	36	15.00	-120	15.00	6.00	D*	3.1*
1983	5	11	8	14	47.04	36	5.62	-120	9.90	0.86	C	3.4
1983	5	11	20	49	25.04	36	18.39	-120	17.58	6.22	B	3.7
1983	5	11	23	35	53.22	36	10.95	-120	20.49	3.01	A	3.0*
1983	5	12	13	41	7.78	36	9.21	-120	14.77	8.01	C	3.9
1983	5	13	14	22	16.59	36	6.61	-120	10.67	0.85	B	3.0*
1983	5	13	14	40	4.39	36	7.85	-120	13.42	2.84	A	3.3*
1983	5	13	15	1	13.10	36	6.19	-120	12.40	0.74	B	3.5*
1983	5	14	5	2	3.54	36	17.43	-120	16.00	11.88	B	3.9
1983	5	14	17	15	16.74	36	10.20	-120	17.74	10.18	A	3.4
1983	5	15	12	47	27.44	34	30.95	-120	28.93	6.00	D	3.8
1983	5	15	14	58	2.35	31	43.29	-116	5.02	6.00	D	3.0*
1983	5	15	23	12	43.68	36	10.08	-120	18.90	2.10	B	3.3*
1983	5	16	1	31	38.70	36	7.10	-120	14.75	2.50	B	3.4
1983	5	16	12	17	43.59	36	5.46	-120	10.94	0.01	D	3.2*
1983	5	16	14	21	48.92	36	11.27	-120	14.12	15.00	D	3.7
1983	5	16	18	40	16.47	36	11.61	-120	14.97	13.29	D	3.1*
1983	5	16	19	9	37.85	36	13.32	-120	15.44	15.52	C	3.1*
1983	5	17	22	22	13.30	36	13.42	-120	16.99	10.04	D	3.4
1983	5	18	2	46	49.27	36	12.09	-120	10.72	5.51	B	3.6
1983	5	18	20	39	32.05	36	16.66	-120	14.51	7.09	D	3.3*
1983	5	19	11	5	27.21	33	31.51	-116	40.40	17.75	B	3.0
1983	5	19	11	5	29.85	36	12.91	-120	16.31	13.41	A	4.0
1983	5	19	23	26	7.75	36	16.97	-120	25.07	0.01	C	3.5
1983	5	20	11	1	41.37	36	13.05	-120	12.86	5.75	D	3.2*
1983	5	21	10	5	41.62	36	11.46	-120	12.13	10.00	C	3.3
1983	5	21	11	2	32.82	36	7.46	-120	14.01	6.00	D	3.1
1983	5	21	12	10	39.27	31	44.06	-115	59.39	6.00	D	3.2
1983	5	21	20	41	41.88	31	44.60	-116	1.28	6.00	D	4.0
1983	5	22	6	49	52.22	35	41.64	-118	5.25	5.48	A	3.2
1983	5	22	8	39	21.82	36	5.77	-120	8.59	0.24	D	3.8
1983	5	24	6	1	50.97	31	44.65	-115	59.07	6.00	D	3.0*
1983	5	24	7	3	32.50	33	47.24	-116	2.83	5.50	A	3.1
1983	5	24	9	2	19.02	36	13.11	-120	18.43	3.00	A	4.6
1983	5	24	9	3	57.30	36	15.00	-120	15.00	6.00	D*	3.6*
1983	5	24	11	47	42.15	36	13.98	-120	14.79	7.06	C	3.2*
1983	5	24	12	26	8.61	36	11.79	-120	16.63	9.10	B	3.2*
1983	5	25	16	45	15.48	36	8.33	-120	13.40	2.87	C	3.0*

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1983	5	25	20 9	24.07	36	7.24 -118	18.02	6.00	C 3.1
1983	5	26	8 54	54.98	36	15.43 -120	11.34	5.59	C 3.1*
1983	5	26	16 30	20.49	33	29.32 -116	27.67	19.80	C 3.8
				FELT	PALM SPRINGS				
1983	5	27	11 25	18.13	33	38.81 -116	44.85	17.61	B 3.5
				FELT	IDYLLWILD				
1983	5	27	20 40	49.74	36	15.14 -120	21.51	14.44	B 3.8
1983	5	27	20 51	4.83	36	14.90 -120	21.67	13.64	B 3.2*
1983	5	28	12 35	15.17	31	34.60 -115	29.99	6.00	D 3.2*
1983	5	29	1 24	3.92	36	14.72 -120	21.11	14.67	B 3.5*
1983	5	29	1 47	27.39	36	21.46 -120	11.21	7.22	D 3.2*
1983	5	29	1 49	2.53	36	21.85 -120	12.50	6.00	D 3.5*
1983	5	30	3 21	52.91	36	14.90 -120	19.71	12.96	C 3.3*
1983	5	31	2 31	45.02	36	6.89 -120	15.38	2.72	B 3.2*
1983	5	31	4 0	42.52	36	5.15 -120	10.08	0.93	B 3.0*
1983	6	4	3 8	29.58	32	14.13 -114	56.25	6.00	D 3.4
1983	6	4	18 51	13.44	31	33.47 -115	31.67	6.00	D 3.5
1983	6	4	21 54	5.02	31	34.18 -115	35.49	6.00	D 3.5
1983	6	5	21 33	56.26	31	44.95 -115	57.17	6.00	D 3.0*
1983	6	6	16 6	50.42	36	9.12 -120	15.42	1.37	D 3.4
1983	6	7	5 18	38.99	36	8.15 -120	14.18	2.34	C 4.2
1983	6	7	18 27	15.50	36	12.48 -120	14.86	12.70	C 3.1*
1983	6	9	6 59	40.75	31	33.31 -115	28.46	6.00	D 4.1
1983	6	9	15 3	0.36	35	45.36 -116	59.69	6.00	D 3.1
1983	6	10	1 27	50.15	31	39.90 -115	26.90	6.00	D 3.9
1983	6	10	1 30	0.74	31	35.87 -115	36.91	6.00	D 3.3
1983	6	10	1 39	59.26	31	36.22 -115	27.39	6.00	D 3.6
1983	6	11	3 9	53.66	36	14.80 -120	24.67	3.76	A 5.1
				FELT	COALINGA				
1983	6	11	5 48	32.18	36	15.41 -120	26.04	0.01	B 3.0*
1983	6	11	14 27	6.75	36	14.05 -120	25.64	0.64	B 3.1*
1983	6	11	23 2	21.18	36	13.96 -120	24.58	2.00	C 3.2*
1983	6	12	1 31	28.78	36	5.62 -120	18.06	3.59	B 4.0
1983	6	13	17 39	24.48	34	12.74 -115	55.36	10.55	D 3.0
1983	6	14	14 10	27.17	36	16.17 -120	24.13	11.93	D 3.1*
1983	6	15	0 44	16.85	36	14.03 -120	23.79	7.25	C 3.0*
1983	6	15	9 2	11.53	35	45.00 -120	22.12	12.28	C 3.2*
1983	6	16	17 37	24.09	36	14.13 -120	17.36	10.64	C 3.4
1983	6	18	1 20	31.14	31	59.53 -115	38.53	6.00	D 3.3
1983	6	18	1 37	1.25	36	12.06 -120	25.18	0.00	C 3.0*
1983	6	19	10 45	44.10	34	28.06 -118	23.69	12.01	C 3.0
				FELT	SAN FERNANDO				
1983	6	20	3 39	56.32	36	8.51 -120	15.99	1.59	C 3.0*
1983	6	20	10 33	45.28	36	13.38 -120	13.12	2.89	D 3.0*
1983	6	20	23 13	12.76	36	28.14 -121	9.92	6.00	D 3.5*
1983	6	24	10 47	38.74	36	25.65 -121	6.51	6.00	D 3.2*
1983	6	28	13 12	33.85	33	47.83 -120	26.79	6.00	D 3.5
1983	6	29	6 41	7.83	36	10.95 -120	8.66	0.01	D 3.7

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1983 6 29	8	8	35.67	32	35.27	-117 25.86	6.00	D	4.6
	FELT SAN DIEGO								
1983 6 30	5	12	49.76	32	12.29	-115 46.78	6.00	D	3.2
1983 6 30	23	6	53.39	36	17.04	-120 16.15	1.14	D	3.3*
1983 7 1	7	36	5.54	36	14.78	-120 15.66	1.04	D	3.2*
1983 7 2	13	12	46.35	36	19.00	-120 14.12	6.00	D	3.1*
1983 7 3	10	19	59.61	32	56.34	-116 15.69	6.00	C	3.2
1983 7 3	16	50	29.99	37	34.10	-118 52.38	6.00	C	3.7
1983 7 3	18	40	8.11	37	32.91	-118 51.53	6.00	C	5.3
1983 7 3	18	59	37.99	37	32.14	-118 51.18	6.00	C	3.3
1983 7 4	7	3	20.87	33	26.69	-116 24.60	10.61	B	3.9
1983 7 4	8	2	5.16	31	21.75	-115 58.44	6.00	D	3.9
1983 7 4	21	19	26.01	36	18.77	-120 14.82	0.25	D	3.3*
1983 7 5	14	27	27.07	38	4.11	-119 2.61	6.00	D	4.3
1983 7 5	22	10	15.12	36	19.19	-120 15.34	0.01	D	3.2*
1983 7 6	17	9	19.97	36	12.96	-120 16.55	6.00	D	3.1*
1983 7 6	18	42	50.70	32	10.59	-115 47.31	6.00	D	3.4
1983 7 6	21	37	28.94	37	33.82	-118 49.11	6.00	C	3.3
1983 7 7	0	30	33.44	36	12.49	-120 18.13	10.46	B	3.9
1983 7 8	1	40	27.02	36	13.26	-120 19.20	2.92	D	3.3*
1983 7 9	7	40	51.11	36	15.77	-120 18.72	0.00	D	5.0
1983 7 9	7	59	50.80	36	14.70	-120 19.80	0.00	D	3.5
1983 7 9	10	24	40.41	36	12.56	-120 23.77	0.01	B	3.9
1983 7 9	12	25	43.69	36	13.22	-120 21.90	6.00	D	3.1*
1983 7 9	23	15	27.09	36	17.89	-120 21.76	9.95	D	3.2*
1983 7 9	23	51	50.66	36	17.12	-120 19.72	0.01	D	3.7
1983 7 10	23	59	34.46	36	17.86	-120 16.98	0.01	D	3.1*
1983 7 11	22	54	17.23	33	11.94	-115 31.53	2.35	A	3.2
	FELT IMPERIAL CITY, NILAND								
1983 7 12	3	56	38.96	36	21.14	-120 16.36	0.01	D	3.9
1983 7 12	18	39	6.03	37	32.16	-118 51.43	6.00	C	4.1
1983 7 13	12	58	0.61	36	17.88	-120 22.77	9.04	B	3.5
1983 7 13	21	16	48.51	33	12.50	-115 31.79	11.82	A	4.1
	FELT BRAWLEY								
1983 7 13	22	14	17.56	33	11.68	-115 32.11	2.53	A	3.1*
1983 7 13	22	14	17.56	F - FELT BRAWLEY					
1983 7 14	14	59	43.88	34	6.16	-118 16.13	11.57	B	3.1
1983 7 14	15	25	38.35	36	9.28	-120 23.73	0.01	B	4.0
1983 7 14	17	26	15.45	33	12.44	-115 32.24	4.76	A	3.0
	FELT BRAWLEY								
1983 7 15	7	40	39.91	32	10.76	-115 48.16	6.00	D	3.1
1983 7 15	22	3	10.52	38	27.85	-118 13.89	6.00	D	4.3
1983 7 17	21	58	7.85	36	17.84	-120 14.56	0.18	D	3.7
1983 7 18	4	36	47.83	34	15.12	-117 3.48	5.36	A	3.0
	FELT BIG BEAR								
1983 7 18	18	41	6.02	36	12.31	-120 13.72	0.60	C	3.2*
1983 7 18	19	28	5.99	36	11.54	-120 15.35	1.27	D	3.9
1983 7 19	10	36	13.17	32	0.16	-115 52.18	6.00	D	3.0*

DATE	TIME		LAT.	LONG.	DEPTH	Q	MAG.
1983	7 20	0 21	37.95	32 16.28	-115 18.00	6.00	D 3.0*
1983	7 21	1 23	39.06	36 1.71	-121 11.91	6.00	D 4.0
1983	7 22	2 39	54.77	36 12.09	-120 21.68	8.36	D 5.6
FELT COALINGA							
1983	7 22	2 49	10.67	36 14.06	-120 18.15	2.47	D 4.3
1983	7 22	2 51	49.23	36 15.00	-120 18.00	6.00	D* 3.7
1983	7 22	3 3	43.53	36 11.93	-120 21.57	7.93	D 3.1*
1983	7 22	3 8	14.34	36 12.93	-120 24.45	0.07	C 3.1*
1983	7 22	3 11	47.00	36 10.33	-120 25.04	4.74	D 3.4*
1983	7 22	3 15	5.79	36 13.79	-120 22.93	3.46	C 3.7
1983	7 22	3 23	32.57	36 19.32	-120 15.86	4.80	D 3.9
1983	7 22	3 29	2.11	36 11.95	-120 22.17	9.01	C 4.1
1983	7 22	3 43	1.44	36 10.69	-120 20.47	8.80	C 5.2
FELT COALINGA							
1983	7 22	4 27	41.36	36 22.22	-120 19.66	3.00	C 3.6
1983	7 22	4 30	27.91	36 21.42	-120 18.19	3.00	C 3.7
1983	7 22	5 9	25.62	36 15.09	-120 26.68	2.50	A 3.1*
1983	7 22	6 39	53.19	36 15.89	-120 24.30	2.44	B 3.1*
1983	7 22	7 4	41.70	36 15.88	-120 25.18	2.88	B 3.0*
1983	7 22	7 12	12.07	36 15.65	-120 24.57	2.11	B 3.3*
1983	7 22	7 35	58.36	36 12.42	-120 24.51	0.08	C 3.1*
1983	7 22	8 17	3.78	36 16.55	-120 19.76	12.09	B 3.1*
1983	7 22	8 18	0.44	36 19.97	-120 16.14	2.50	B 3.2*
1983	7 22	10 38	20.78	36 12.44	-120 23.78	0.04	B 3.2*
1983	7 22	11 46	28.15	36 15.71	-120 25.50	2.50	B 3.0*
1983	7 22	21 52	34.01	36 14.25	-120 24.20	1.65	B 3.3*
1983	7 25	22 31	40.95	36 11.18	-120 22.94	1.63	A 5.4
FELT COALINGA							
1983	7 26	1 20	31.67	36 14.10	-120 25.72	4.00	A 3.0*
1983	7 26	5 12	54.23	37 34.33	-118 54.82	6.00	B 3.4
1983	7 26	21 21	47.82	31 58.51	-115 47.60	6.00	D 3.5
1983	7 29	10 13	53.94	36 14.88	-120 26.28	2.50	A 3.2*
1983	7 30	1 26	16.59	37 36.19	-118 48.46	6.00	C 4.3
FELT MAMMOTH LAKES							
1983	7 30	2 19	35.21	37 35.44	-118 48.79	6.00	C 3.9
1983	7 30	4 16	39.96	37 38.47	-118 47.87	8.00	D 4.2
1983	7 31	16 43	53.30	36 14.96	-120 13.89	6.87	C 3.6
1983	7 31	17 24	10.86	36 9.90	-120 11.56	10.00	C 3.4*
1983	7 31	22 51	6.21	35 21.12	-118 34.11	6.00	C 3.3
1983	8 1	5 36	36.16	37 18.69	-118 25.09	6.00	D 3.5
1983	8 1	15 48	28.82	34 7.79	-117 26.61	7.23	C 3.3
1983	8 2	1 54	52.30	36 12.09	-120 25.01	0.21	C 3.1*
1983	8 2	22 21	16.60	33 32.99	-116 27.38	10.70	A 3.2
1983	8 5	10 6	2.11	36 14.46	-120 25.67	1.97	A 3.4*
1983	8 6	18 31	57.04	36 10.50	-120 11.39	12.00	C 3.2*
1983	8 8	13 13	9.43	36 38.23	-121 2.24	6.00	D 4.3
1983	8 8	16 51	58.02	37 35.83	-118 52.87	6.00	C 4.0
1983	8 9	1 19	3.21	37 53.40	-119 29.93	6.00	D 4.0*

DATE	TIME			LAT.	LONG.		DEPTH	Q	MAG.
1983	8	9	23 11	48.16	37 28.97	-118 38.85	1.20	D	3.2*
1983	8	10	0 33	29.78	36 36.27	-121 10.12	6.00	D	3.1*
1983	8	11	16 48	45.62	32 4.61	-115 31.42	6.00	D	3.3
1983	8	11	18 35	25.84	33 53.30	-116 53.48	13.41	A	3.0
1983	8	12	1 14	41.79	36 18.52	-120 22.22	14.00	C	3.9*
1983	8	12	11 4	33.81	36 14.25	-120 26.42	14.00	D	3.2*
1983	8	12	18 22	36.46	34 20.96	-119 8.22	2.00	C	3.0
1983	8	12	22 2	35.90	36 9.67	-120 8.16	3.00	C	4.3
1983	8	13	4 6	36.13	36 10.00	-120 10.00	6.00	D*	3.0*
1983	8	14	12 43	36.30	36 18.65	-120 23.07	9.78	B	4.2
1983	8	18	19 57	26.80	38 9.69	-118 43.11	6.00	D	3.6
1983	8	18	21 17	50.03	31 33.26	-115 54.16	6.00	D	4.2
1983	8	19	11 56	50.92	37 29.39	-118 50.12	6.00	D	3.9*
1983	8	20	17 54	14.89	33 29.38	-117 10.50	17.19	D	3.0
1983	8	26	3 21	17.88	36 18.74	-120 27.92	12.55	B	4.0
1983	8	26	19 57	41.47	36 12.14	-120 20.92	10.39	B	3.9
1983	8	28	4 23	25.01	31 54.86	-115 53.81	6.00	B	3.4
1983	8	28	12 26	20.93	35 48.19	-121 26.43	8.00	C	3.9
1983	8	28	13 23	54.77	35 48.55	-121 25.63	8.00	C	3.7
1983	8	28	21 4	48.92	32 57.26	-115 32.25	11.38	A	3.0
FELT BRAWLEY									
1983	8	29	10 10	31.29	35 46.16	-121 10.46	6.00	D	4.8
FELT MONTEREY AREA									
1983	9	1	5 38	45.98	37 30.92	-118 48.64	6.00	D	3.4*
1983	9	1	17 1	5.94	38 2.85	-118 44.90	6.00	D	4.0
1983	9	3	6 6	26.43	31 3.73	-116 43.23	6.00	D	3.5
1983	9	4	22 40	28.79	36 11.78	-120 16.96	8.80	C	3.3*
1983	9	7	23 7	26.67	36 17.91	-120 26.45	14.45	B	3.7*
1983	9	9	7 19	39.57	31 23.48	-115 29.93	6.00	D	3.3*
1983	9	9	9 16	13.92	36 14.37	-120 13.33	0.20	B	5.3
FELT COALINGA									
1983	9	9	9 41	32.14	36 15.40	-120 14.13	0.37	B	3.2*
1983	9	9	10 26	2.41	36 13.92	-120 12.11	0.67	B	3.0*
1983	9	9	21 4	0.60	36 13.62	-120 11.29	0.08	B	3.9
1983	9	10	7 19	32.01	36 16.82	-120 27.30	0.57	A	3.6
1983	9	10	16 2	12.80	37 28.73	-118 40.31	6.00	C	3.7
1983	9	10	17 30	34.10	36 12.76	-120 26.23	2.50	A	3.3*
1983	9	11	11 48	7.11	36 15.23	-120 20.61	11.33	A	4.8
1983	9	11	19 27	25.04	31 57.56	-116 4.04	6.00	C	4.0
1983	9	12	12 8	2.73	34 2.91	-117 15.34	14.81	A	3.6
FELT SAN BERNARDINO									
1983	9	12	21 33	35.10	35 13.78	-117 2.17	6.25	B	3.2
1983	9	13	6 53	1.74	36 12.69	-120 25.80	0.00	A	3.3*
1983	9	14	5 51	59.70	32 10.63	-115 46.23	6.00	D	3.0
1983	9	17	17 35	30.00	36 10.76	-120 18.97	2.55	A	3.6
1983	9	18	1 13	8.42	31 44.41	-115 59.30	6.00	D	3.3
1983	9	18	14 11	44.30	36 12.15	-120 25.12	0.12	B	3.3
1983	9	18	14 34	32.49	36 17.79	-120 17.37	9.08	A	3.7

DATE	TIME	LAT.	LONG.	DEPTH	Q	MAG.
1983 9 20	0 8 51.75	33 3.53	-116 11.38	5.55	A	3.2
	FELT	ANZA/BORREGO AREA				
1983 9 21	8 34 10.21	32 2.36	-116 19.12	6.00	D	3.4
1983 9 23	1 35 26.91	35 33.73	-118 33.12	1.63	A	3.1
1983 9 25	11 38 34.64	37 27.35	-118 49.11	6.00	C	3.3
1983 9 27	2 56 38.06	38 16.41	-119 23.52	6.00	D	3.6
1983 9 27	3 39 56.32	36 19.37	-120 22.95	9.81	A	3.5
1983 9 27	20 20 59.88	36 16.32	-120 24.82	11.37	D	3.4
1983 9 28	22 22 21.29	37 28.28	-118 38.27	6.00	C	3.5
1983 9 30	12 24 22.17	32 56.31	-115 49.16	6.92	A	3.2
1983 9 30	16 14 0.78	37 33.47	-118 50.18	6.00	C	4.5
1983 10 2	2 25 13.59	36 35.95	-120 31.95	6.00	C	3.5
1983 10 4	4 56 3.22	36 32.34	-121 31.25	14.00	D	3.6
1983 10 7	0 38 58.92	36 26.85	-120 18.44	6.00	C	3.2
1983 10 7	10 40 24.75	33 58.65	-116 58.15	15.15	A	3.1
1983 10 7	18 5 34.94	36 14.79	-120 13.83	0.33	A	3.6
1983 10 9	9 1 11.49	31 30.77	-115 34.84	6.00	C	3.4
1983 10 9	23 28 56.92	36 18.24	-120 15.60	2.50	D	3.1
1983 10 10	8 12 47.63	36 18.63	-120 22.94	8.93	A	3.0
1983 10 11	15 48 28.87	36 8.76	-120 13.37	2.55	D	3.3
1983 10 14	19 52 53.70	36 10.83	-120 21.41	3.77	C	3.4
1983 10 16	5 7 19.26	36 18.01	-120 16.71	14.96	D	3.1
1983 10 16	11 52 26.90	36 13.45	-120 22.65	3.23	A	3.3
1983 10 17	16 30 10.34	32 6.72	-116 25.22	6.00	C	3.0
1983 10 19	14 0 37.16	35 55.78	-118 20.46	1.49	A	4.0
	FELT	LAKE ISABELLA				
1983 10 19	14 5 19.23	35 55.54	-118 20.58	0.68	A	3.4
1983 10 19	19 48 23.75	35 55.43	-118 20.30	0.00	A	3.7
	FELT	LAKE ISABELLA				
1983 10 20	7 13 7.80	31 47.16	-115 58.68	6.00	C	3.2
1983 10 21	11 13 14.69	34 55.01	-120 23.51	0.01	A	3.1
	FELT	SANTA MARIA				
1983 10 21	22 44 13.31	35 55.54	-118 20.06	0.00	A	4.5
	FELT	LAKE ISABELLA				
1983 10 21	22 56 0.16	35 54.21	-118 19.19	0.39	A	3.3
1983 10 23	15 16 53.54	36 14.07	-120 12.94	0.01	A	3.2
1983 10 23	23 35 43.94	35 4.29	-119 1.77	14.70	A	3.1
1983 10 24	23 36 49.96	35 54.37	-118 19.66	0.95	A	3.9
1983 10 25	5 9 11.12	35 54.71	-118 19.85	1.09	A	3.5
1983 10 25	5 28 57.09	35 54.60	-118 19.96	1.36	A	3.2
1983 10 25	6 55 1.98	35 54.59	-118 19.99	4.00	C	3.7
1983 10 25	9 9 5.11	35 55.09	-118 19.88	1.81	C	3.1
1983 10 25	11 16 57.08	35 51.89	-118 20.82	1.00	A	3.8
1983 10 25	13 21 33.31	35 54.93	-118 19.63	1.35	A	3.5
1983 10 26	17 5 44.38	35 54.28	-118 19.60	5.50	A	3.1
1983 10 26	23 2 41.74	36 14.49	-120 23.12	10.00	A	3.8
1983 10 28	21 28 8.86	33 3.53	-116 11.46	5.05	A	3.0
1983 10 29	6 38 2.55	33 59.83	-116 36.41	12.12	A	3.4
	FELT	PALM SPRINGS, DESERT	HOT SPRINGS			

DATE	TIME			LAT.	LONG.	DEPTH	Q	MAG.
1983	10	30	8 13	10.35	36 18.97 -120 20.50	12.31	A	3.3
1983	10	30	20 2	59.23	35 54.71 -118 20.17	0.99	A	3.6
1983	10	31	12 15	11.65	36 10.80 -120 19.44	2.20	A	3.2
1983	11	3	2 40	57.18	37 29.74 -118 41.77	6.00	C	3.0
1983	11	4	11 30	32.95	36 17.32 -120 16.79	9.77	A	3.5
1983	11	4	13 57	52.09	36 19.08 -120 16.46	15.37	A	3.0
1983	11	4	19 9	18.55	37 27.84 -118 53.46	6.00	C	3.0*
1983	11	5	10 41	18.03	32 7.21 -115 40.06	6.00	C	3.1
1983	11	6	1 34	31.26	35 55.11 -118 18.97	1.08	A	3.1
1983	11	6	2 1	29.46	35 55.08 -118 18.97	1.33	A	3.0
1983	11	6	2 8	15.55	35 55.29 -118 18.86	0.01	A	3.1
1983	11	7	12 32	43.87	35 55.62 -118 18.98	0.01	A	3.7
FELT LAKE ISABELLA								
1983	11	10	15 18	22.70	35 55.77 -118 18.68	0.00	A	3.0
1983	11	11	16 36	31.62	32 57.99 -115 51.76	5.85	A	3.3
FELT IMPERIAL VALLEY								
1983	11	11	17 15	5.22	32 58.07 -115 52.03	8.91	A	3.8
FELT IMPERIAL VALLEY								
1983	11	12	1 47	59.73	37 29.03 -118 48.69	6.00	C	3.6
1983	11	13	22 5	59.90	37 29.73 -118 39.42	6.00	C	3.0
1983	11	14	12 57	22.92	35 55.22 -118 18.68	0.00	A	3.3
1983	11	15	3 29	44.71	37 38.39 -118 55.91	6.00	C	3.6
1983	11	15	3 36	7.49	37 38.39 -118 56.09	6.00	C	3.2
1983	11	15	5 4	9.59	33 2.71 -115 33.78	6.04	A	3.5
1983	11	15	11 2	7.24	33 2.17 -115 34.15	5.43	A	3.3
FELT IMPERIAL VALLEY								
1983	11	15	21 44	20.83	33 2.65 -115 33.55	5.39	A	3.1
FELT IMPERIAL VALLEY								
1983	11	18	9 55	37.52	34 0.09 -117 12.53	14.92	A	3.1
FELT SAN BERNARDINO								
1983	11	19	2 21	25.67	36 7.03 -120 14.83	2.50	A	3.0
1983	11	19	9 54	54.96	31 52.41 -116 13.79	6.00	C	3.8
1983	11	20	22 2	36.75	36 12.97 -120 25.72	0.51	A	3.9
1983	11	23	6 39	59.33	37 27.42 -118 55.21	6.00	C	3.9
1983	11	29	11 2	34.16	31 42.03 -115 51.61	6.00	C	3.8
1983	12	1	10 56	9.67	36 6.08 -120 10.67	17.85	A	3.0
1983	12	2	1 47	34.96	31 24.61 -115 35.46	6.00	C	3.3
1983	12	2	19 8	57.45	31 49.94 -116 2.49	6.00	C	3.2
1983	12	3	21 1	10.88	32 23.50 -113 45.70	6.00	C	3.1
1983	12	5	14 7	24.49	38 2.80 -118 47.39	6.00	C	3.7
1983	12	5	14 9	8.75	32 10.60 -115 49.68	6.00	C	3.7
1983	12	5	18 41	18.43	35 55.77 -118 20.22	0.00	A	3.1
1983	12	6	1 20	22.87	34 49.46 -116 24.11	1.59	A	3.2
1983	12	6	9 10	48.68	33 3.69 -116 11.35	9.98	A	3.2
1983	12	6	23 22	9.65	33 3.62 -116 11.11	6.49	A	3.1
1983	12	7	15 19	3.35	33 3.59 -116 11.28	6.00	A	3.1
1983	12	7	22 15	58.17	37 58.71 -118 51.53	6.00	C	4.1
1983	12	9	18 9	28.69	36 13.13 -120 14.88	14.29	A	3.7

DATE	TIME	LAT.	LONG.	DEPTH	Q	MAG.
1983 12 13	1 40 23.38	33 53.41	-116 8.70	3.36	A	3.4
1983 12 15	19 29 7.00	34 23.36	-119 58.34	2.54	A	3.0
1983 12 16	2 8 25.79	36 15.91	-120 25.07	2.56	A	3.4
1983 12 18	17 56 48.93	35 46.33	-118 0.80	4.24	A	3.3
1983 12 18	20 51 39.16	32 36.99	-116 4.86	10.14	A	3.2
1983 12 20	1 3 32.36	36 17.82	-120 24.88	3.23	A	3.8
1983 12 20	1 15 4.10	32 56.54	-116 17.47	1.76	A	3.5
1983 12 21	11 53 42.58	36 10.02	-120 9.55	15.18	A	3.0
1983 12 21	18 4 8.30	36 6.51	-120 9.83	14.90	A	4.3
1983 12 23	2 3 7.37	36 5.26	-120 14.10	2.30	A	3.5
1983 12 23	15 45 31.22	38 45.98	-118 51.97	6.00	C	3.0
1983 12 25	20 43 32.73	37 33.88	-118 53.14	6.00	C	3.8
1983 12 26	6 36 35.25	36 11.35	-120 21.08	3.12	A	3.2
1983 12 26	22 10 8.81	37 37.45	-118 57.75	6.00	C	3.4
1983 12 27	21 34 37.68	33 46.71	-116 7.30	2.00	A	3.1
1983 12 27	22 35 43.53	31 58.34	-116 15.83	6.00	C	3.3
1983 12 28	8 20 24.09	37 28.81	-118 49.64	6.00	C	3.2
1983 12 29	7 23 29.84	35 54.18	-118 19.01	1.15	A	3.3
1983 12 29	19 46 16.79	34 10.20	-117 21.33	8.39	A	3.6
FELT SAN BERNARDINO						
1983 12 31	2 9 11.40	33 3.72	-116 11.52	6.00	A	3.0
1983 12 31	22 39 40.60	37 33.80	-118 52.57	6.00	C	4.1

LIST OF EARTHQUAKES

ML 4.0 and Greater

DATE				TIME			LAT.			LONG.			DEPTH	Q	MAG.
1975	1	6	11	17	12.30	35	55.70	-120	32.50	8.90	B	4.5			
1975	1	12	21	22	15.04	32	48.90	-117	58.46	5.00	D	4.8			
1975	1	23	12	30	16.56	32	56.17	-115	30.11	3.54	A	4.2			
1975	1	23	12	55	49.10	32	56.07	-115	29.90	3.96	B	4.4			
1975	1	23	15	45	40.25	32	57.01	-115	29.87	4.08	A	4.3			
1975	1	23	17	2	30.26	32	56.92	-115	30.26	5.00	D	4.9			
1975	1	23	23	24	34.76	32	59.56	-115	30.39	5.34	B	4.1			
1975	1	24	18	26	55.58	32	54.81	-115	28.40	4.03	A	4.0			
1975	2	10	12	51	17.29	34	24.65	-116	38.78	2.10	A	4.2			
1975	2	23	19	7	5.35	32	11.62	-115	39.69	5.20	D	4.2			
1975	4	28	0	17	46.93	32	1.74	-114	49.93	6.09	D	4.8			
1975	5	2	18	3	23.33	35	13.29	-117	38.60	5.30	A	4.2			
1975	5	13	0	21	35.72	34	59.97	-119	5.40	17.41	C	4.5			
1975	6	1	1	38	48.77	34	31.02	-116	29.38	0.82	A	5.0			
1975	6	5	14	46	45.27	35	2.59	-119	0.83	8.61	B	4.0			
1975	6	20	5	48	23.99	32	46.80	-115	25.97	4.45	B	4.2			
1975	6	20	22	15	40.87	32	46.54	-115	25.83	4.03	B	4.2			
1975	6	23	14	18	15.59	31	39.38	-115	38.52	7.30	D	4.0			
1975	6	23	14	34	40.43	31	46.56	-115	38.14	12.21	D	4.2			
1975	6	28	0	18	54.85	37	20.01	-116	9.70	10.32	L	4.0			
1975	6	28	9	47	32.32	37	31.80	-116	11.06	10.06	D	4.1			
1975	7	1	4	50	31.75	37	13.15	-116	11.89	2.36	D	4.0			
1975	7	1	18	14	8.77	37	13.39	-116	14.51	1.71	D	4.6			
1975	7	17	18	23	47.06	31	53.07	-115	53.67	8.69	L	5.1			
1975	8	2	0	14	7.70	33	30.78	-116	33.55	13.10	A	4.8			
1975	8	3	5	57	17.90	36	25.10	-120	24.00	12.20	C	4.4			
1975	8	3	6	4	48.80	36	25.60	-120	24.40	12.20	C	4.1			
1975	8	3	6	35	16.90	36	25.10	-120	23.40	6.70	C	4.9			
1975	8	3	6	37	54.48	36	27.00	-120	21.00	16.00	D	4.4			
1975	8	3	8	38	0.90	36	24.30	-120	23.60	12.10	C	4.1			
1975	8	3	9	0	30.90	36	24.10	-120	24.10	12.70	C	4.4			
1975	8	3	13	32	57.34	31	57.05	-115	50.38	5.04	D	4.5			
1975	8	14	8	8	49.85	34	4.68	-116	25.82	7.76	B	4.0			
1975	8	15	22	27	52.30	36	26.70	-120	25.50	9.90	C	4.5			
1975	8	17	0	24	26.62	37	34.15	-118	51.62	4.10	C	4.3			
1975	8	20	0	15	43.14	31	9.67	-116	54.75	5.00	D	4.2			
1975	8	21	8	46	15.35	31	52.61	-115	55.90	5.00	D	4.2			
1975	8	29	7	52	43.30	36	27.30	-120	25.60	10.70	C	4.4			
1975	9	13	21	20	59.10	35	58.70	-120	34.10	11.40	B	5.0			
1975	10	7	21	12	45.44	37	37.60	-118	51.23	1.28	C	4.1			
1975	11	3	2	18	43.32	37	25.68	-116	3.79	0.80	D	4.4			
1975	11	15	6	13	27.58	34	18.03	-116	20.08	4.63	A	4.6			
1975	12	14	18	16	19.91	34	17.79	-116	19.54	2.39	A	4.3			
1975	12	25	7	18	51.77	32	51.50	-116	14.35	9.38	B	4.2			
1976	1	1	17	20	12.89	33	57.97	-117	53.81	5.19	A	4.3			
1976	1	8	16	14	13.37	37	20.43	-115	41.94	1.79	D	4.4			
1976	1	10	12	58	18.12	32	20.10	-115	30.96	4.81	D	4.9			

DATE	TIME				LAT.		LONG.		DEPTH	Q	MAG.	
1976	1	11	1	5	30.25	32	20.17	-115	30.77	5.00	D	4.1
1976	1	14	21	44	0.10	36	5.20	-120	16.60	8.60	C	4.6
1976	1	17	3	58	55.10	32	20.46	-115	31.30	5.33	D	4.8
1976	1	17	21	38	34.02	37	9.47	-116	12.39	7.85	D	4.2
1976	1	18	7	20	16.06	37	22.83	-116	11.23	5.63	D	4.3
1976	1	27	0	41	0.09	32	20.66	-115	32.04	8.90	D	4.5
1976	2	3	0	14	27.17	37	3.16	-116	0.95	2.17	D	4.2
1976	2	4	6	51	47.68	37	9.89	-116	14.28	2.43	D	4.0
1976	2	6	1	14	25.94	37	12.74	-116	16.29	13.94	D	4.0
1976	2	7	7	36	56.59	37	15.25	-116	13.64	14.05	D	4.4
1976	3	15	20	7	40.04	32	11.84	-115	28.36	5.04	D	4.0
1976	3	16	2	41	1.53	32	20.56	-115	30.81	5.26	D	4.0
1976	3	16	12	0	38.69	32	19.06	-115	30.42	11.73	D	4.2
1976	4	8	15	21	37.85	34	21.41	-118	40.16	17.17	A	4.5
1976	4	14	7	25	10.51	31	57.76	-116	25.41	9.06	D	4.1
1976	4	26	6	46	37.44	33	7.33	-115	37.17	4.64	B	4.0
1976	5	7	1	22	11.44	32	21.65	-115	33.17	2.51	D	4.0
1976	6	13	4	39	0.96	31	42.36	-115	33.17	4.07	D	4.1
1976	7	10	4	18	44.11	31	36.53	-115	40.01	5.00	D	4.4
1976	8	1	17	18	47.08	34	55.83	-116	32.51	1.97	B	4.1
1976	8	11	15	24	55.42	33	28.90	-116	30.62	14.81	A	4.3
1976	10	9	2	9	27.86	33	20.10	-116	13.51	12.36	A	4.2
1976	10	18	17	26	51.93	32	42.64	-117	57.28	11.43	C	4.3
1976	11	4	5	48	20.82	33	8.41	-115	36.84	2.40	A	4.0
1976	11	4	10	11	51.44	33	6.83	-115	36.99	1.60	A	4.1
1976	11	4	10	41	37.54	33	7.89	-115	37.40	0.55	A	5.1
1976	11	4	11	49	40.76	33	6.96	-115	38.44	0.42	A	4.0
1976	11	4	14	12	50.28	33	7.41	-115	37.19	2.71	B	4.4
1976	11	22	17	55	11.49	33	55.97	-118	37.68	9.97	B	4.2
1976	12	7	12	59	51.32	31	40.79	-114	42.47	4.85	D	5.5
1977	1	17	11	13	19.78	32	29.35	-115	11.56	5.00	C	4.3
1977	3	11	11	15	43.16	31	50.33	-115	55.90	5.01	D	4.1
1977	6	11	7	37	2.34	32	10.12	-116	10.10	5.00	C	4.0
1977	8	12	2	19	26.08	34	22.78	-118	27.52	9.50	A	4.5
1977	9	21	6	27	51.71	31	52.56	-115	55.67	5.32	D	4.0
1977	9	24	21	28	24.13	34	27.67	-118	25.02	15.86	A	4.0
1977	10	4	14	51	29.25	30	59.58	-114	0.01	5.20	D	4.2
1977	10	10	19	26	5.40	38	5.04	-117	51.97	5.21	D	4.2
1977	10	20	10	29	35.60	32	53.16	-115	29.87	3.01	A	4.0
1977	10	21	6	12	35.99	32	53.75	-115	30.31	4.91	A	4.1
1977	10	21	13	24	24.49	32	53.87	-115	30.40	4.36	A	4.0
1977	10	30	5	30	13.91	32	53.56	-115	30.29	4.87	A	4.0
1977	11	14	2	5	48.27	32	49.79	-115	28.68	3.90	A	4.1
1977	11	14	5	36	55.79	32	50.09	-115	28.84	4.03	A	4.0
1977	11	14	12	20	19.95	32	49.34	-115	28.04	4.76	A	4.2
1978	3	1	4	54	31.25	34	31.59	-116	46.71	5.00	C	4.2
1978	3	11	23	57	47.28	32	18.48	-115	6.45	5.00	D	4.9
1978	3	12	0	30	18.27	32	20.70	-115	7.73	4.98	C	4.5

DATE			TIME		LAT.	LONG.	DEPTH	Q	MAG.
1978	3	12	18 42	25.00	32	18.41 -115	6.60	5.00	C 4.8
1978	3	16	1 51	10.37	32	19.60 -115	6.78	4.99	C 4.1
1978	4	1	10 52	27.26	34	11.90 -116	57.98	10.53	A 4.0
1978	5	5	21 3	16.15	32	15.60 -115	17.71	5.00	C 5.2
1978	5	5	22 42	9.45	32	18.66 -115	18.72	5.00	C 4.2
1978	5	7	2 41	40.55	32	18.06 -115	18.55	5.00	D 4.2
1978	5	9	1 10	7.89	31	1.91 -117	0.95	5.30	D 4.0
1978	5	23	9 16	50.75	33	54.40 -119	9.94	5.00	C 4.0
1978	6	5	16 3	3.72	33	25.21 -116	41.61	14.92	A 4.4
1978	6	16	4 21	31.68	35	1.84 -119	7.55	1.13	B 4.2
1978	8	13	22 54	53.55	34	20.89 -119	42.34	5.59	C 5.1
1978	8	19	9 31	6.40	32	21.79 -116	52.59	6.00	D 4.0
1978	8	29	18 2	14.79	31	32.34 -115	32.60	4.94	D 4.0
1978	10	4	16 42	48.57	37	30.59 -118	41.57	5.00	C 5.7
1978	10	4	16 59	4.31	37	31.73 -118	40.71	5.04	D 4.4
1978	10	4	17 31	31.29	37	31.14 -118	40.60	6.73	C 4.3
1978	10	4	17 39	3.39	37	32.10 -118	41.00	5.64	C 5.3
1978	10	4	17 46	47.32	37	30.93 -118	41.39	5.06	D 4.3
1978	10	4	18 1	53.76	37	29.98 -118	41.94	4.88	D 4.1
1978	10	4	18 22	41.78	37	29.95 -118	40.33	8.77	D 4.4
1978	10	5	1 17	47.40	37	30.47 -118	40.26	7.09	C 4.4
1978	10	5	6 41	30.17	37	29.08 -118	39.85	10.65	C 4.5
1978	11	20	6 55	9.07	34	9.35 -116	58.70	15.13	A 4.3
1979	1	1	23 14	38.95	33	56.96 -118	40.76	10.59	A 4.8
1979	1	19	18 10	42.04	37	32.82 -118	39.94	5.03	D 4.3
1979	1	24	21 14	27.17	37	30.64 -118	36.02	3.83	C 4.4
1979	2	12	4 48	42.26	33	27.21 -116	25.44	4.50	A 4.3
1979	2	27	13 10	8.83	31	45.09 -115	46.80	5.03	D 4.1
1979	2	27	19 26	3.49	31	42.29 -115	46.87	4.89	D 4.5
1979	3	1	21 17	55.92	31	39.20 -115	38.82	6.30	D 4.4
1979	3	4	18 37	47.72	31	55.38 -116	8.79	5.09	D 4.1
1979	3	15	20 17	49.33	34	18.31 -116	26.32	0.15	A 5.0
1979	3	15	21 7	16.47	34	19.48 -116	26.62	0.60	A 5.3
1979	3	15	21 34	25.54	34	20.82 -116	26.90	0.05	A 4.5
1979	3	15	23 7	58.00	34	20.15 -116	26.38	1.69	A 4.9
1979	3	16	17 36	58.65	34	19.99 -116	23.81	0.49	A 4.0
1979	3	18	22 53	2.62	34	13.88 -116	21.59	3.69	A 4.1
1979	3	31	21 37	2.18	32	5.81 -117	13.78	3.31	D 4.6
1979	6	13	19 46	45.72	33	3.44 -115	35.41	2.94	A 4.2
1979	6	14	7 39	28.28	35	43.76 -118	1.39	5.00	C 4.6
1979	6	16	22 45	0.63	37	29.32 -118	56.59	5.12	D 4.2
1979	6	29	5 53	20.21	34	15.10 -116	54.18	10.87	A 4.4
1979	6	30	0 34	11.42	34	14.83 -116	54.01	11.07	A 4.8
1979	6	30	7 3	52.78	34	15.25 -116	53.92	10.34	A 4.4
1979	7	13	2 26	3.28	34	15.47 -116	26.24	3.33	A 4.1
1979	7	13	3 51	23.50	34	15.37 -116	26.29	4.50	A 4.1
1979	8	22	2 1	36.25	33	42.38 -116	50.10	17.02	A 4.0
1979	9	7	9 43	48.50	37	38.00 -118	55.20	4.37	B 4.3

DATE	TIME	LAT.	LONG.	DEPTH	Q	MAG.
1979	9 24	13 5 4.84	37 38.07 -118 55.27	5.62	B	4.4
1979	10 10	19 48 37.98	32 22.90 -115 19.80	5.00	D	4.0
1979	10 15	23 16 54.12	32 38.05 -115 19.47	9.90	B	6.4
1979	10 15	23 19 28.70	32 44.88 -115 35.19	5.00	D	5.0
1979	10 15	23 55 3.59	32 49.08 -115 35.05	5.97	D	4.2
1979	10 16	0 22 14.84	32 57.05 -115 31.44	3.43	A	4.2
1979	10 16	1 0 13.98	32 52.61 -115 33.35	4.59	C	4.7
1979	10 16	1 14 21.88	32 55.69 -115 31.39	2.78	A	4.4
1979	10 16	1 39 4.27	32 57.24 -115 30.35	0.08	B	4.1
1979	10 16	3 10 47.83	32 57.05 -115 32.10	4.22	B	4.6
1979	10 16	3 16 25.91	32 56.87 -115 31.95	0.96	A	4.1
1979	10 16	3 39 35.04	32 56.92 -115 33.01	5.14	A	4.6
1979	10 16	5 49 10.97	32 56.48 -115 32.31	4.66	A	5.1
1979	10 16	6 4 39.26	32 53.91 -115 33.34	5.18	B	4.1
1979	10 16	6 12 0.54	32 56.17 -115 31.05	4.93	A	4.1
1979	10 16	6 12 47.71	31 25.34 -116 49.91	5.00	D	4.5
1979	10 16	6 19 49.22	32 56.20 -115 31.91	2.44	C	5.1
1979	10 16	6 22 44.85	32 55.00 -115 31.00	5.00	D	4.0
1979	10 16	6 55 23.46	32 59.29 -115 32.46	4.10	A	4.7
1979	10 16	6 58 43.18	32 59.94 -115 34.13	1.33	A	5.5
1979	10 16	7 23 25.13	32 54.60 -115 31.29	10.07	A	4.3
1979	10 16	7 26 16.57	32 58.54 -115 34.10	6.02	C	4.0
1979	10 16	7 49 47.38	32 59.16 -115 36.61	1.43	B	4.0
1979	10 16	9 36 41.89	32 56.98 -115 31.41	4.27	A	4.1
1979	10 16	11 26 47.30	32 54.10 -115 29.96	4.39	B	4.0
1979	10 16	11 47 56.06	32 54.81 -115 33.61	5.09	A	4.8
1979	10 16	12 1 45.77	32 53.21 -115 30.55	4.97	A	4.1
1979	10 16	15 0 2.29	33 1.33 -115 30.51	3.31	A	4.1
1979	10 16	23 16 32.18	33 1.33 -115 30.37	3.32	A	5.0
1979	10 17	19 14 38.49	32 55.06 -115 34.64	5.34	A	4.2
1979	10 17	20 52 36.87	33 54.51 -118 40.89	12.41	A	4.3
1979	10 17	22 45 33.82	33 2.40 -115 30.02	1.87	A	4.7
1979	10 19	12 22 37.74	34 12.64 -117 31.82	4.88	A	4.0
1979	11 9	10 12 55.48	37 33.43 -118 56.74	5.46	D	4.0
1979	11 9	17 46 59.34	37 32.22 -118 53.31	4.93	D	4.1
1979	11 9	17 54 14.78	37 38.07 -118 53.77	4.98	D	4.4
1979	11 10	9 45 9.39	37 35.68 -118 52.31	5.00	B	4.2
1979	11 20	17 23 59.13	37 35.60 -118 52.18	6.88	B	4.2
1979	12 2	0 46 28.26	32 39.01 -116 2.72	11.54	B	4.0
1979	12 6	19 32 38.86	37 36.65 -118 51.22	6.02	B	4.4
1979	12 8	21 38 52.42	37 36.58 -118 53.13	7.72	D	4.4
1979	12 12	21 37 42.60	32 16.40 -116 17.27	4.96	D	4.0
1979	12 13	16 39 39.41	32 17.70 -115 18.12	5.00	C	4.2
1979	12 16	10 17 37.85	31 33.78 -115 28.59	5.00	D	4.1
1979	12 21	20 40 23.40	32 29.01 -115 11.64	5.00	C	4.8
1979	12 26	8 9 5.95	37 24.70 -118 48.97	5.60	C	4.1
1979	12 28	3 29 49.54	37 39.11 -118 52.14	6.20	C	4.0
1979	12 31	8 27 55.57	38 11.93 -117 25.29	7.93	D	4.7

DATE	TIME				LAT.		LONG.		DEPTH	Q	MAG.	
1980	1	12	20	11	6.21	32	54.18	-115	31.07	4.55	A	4.1
1980	1	14	23	51	54.75	37	37.68	-118	47.98	5.76	C	4.3
1980	1	29	19	49	3.00	32	2.45	-116	19.21	5.03	D	4.4
1980	2	22	13	39	23.23	33	15.00	-116	15.00	5.00	D	4.0
1980	2	25	10	47	38.47	33	29.76	-116	30.85	14.70	A	5.5
1980	3	20	11	5	42.57	37	37.30	-118	54.51	6.09	C	4.1
1980	3	20	16	42	48.42	37	36.93	-118	55.48	7.49	D	4.0
1980	3	27	2	26	4.73	37	37.17	-118	54.24	5.83	C	4.4
1980	5	14	8	2	32.80	37	34.95	-118	51.18	13.28	D	4.0
1980	5	17	0	1	14.26	37	37.08	-118	49.82	5.93	C	4.4
1980	5	18	12	47	30.21	37	37.31	-118	53.94	7.29	C	4.2
1980	5	19	22	19	8.83	37	37.80	-118	53.63	6.38	C	4.0
1980	5	25	4	49	35.00	37	38.06	-118	51.32	3.39	B	4.1
1980	5	25	16	33	44.89	37	36.14	-118	49.77	3.27	B	6.4
1980	5	25	16	36	12.00	37	37.00	-118	50.00	3.00	D	4.3
1980	5	25	16	36	48.46	37	37.00	-118	50.00	3.00	D	4.3
1980	5	25	16	37	0.16	37	37.00	-118	50.00	3.00	D	4.0
1980	5	25	16	37	20.66	37	37.00	-118	50.00	3.00	D	4.0
1980	5	25	16	37	56.06	37	37.00	-118	50.00	3.00	D	4.1
1980	5	25	16	38	45.86	37	37.00	-118	50.00	3.00	D	4.1
1980	5	25	16	39	40.89	37	37.00	-118	50.00	3.00	D	4.1
1980	5	25	16	41	57.01	37	32.72	-118	48.42	3.00	D	4.2
1980	5	25	16	45	28.77	37	24.17	-118	56.26	3.00	D	4.1
1980	5	25	16	49	27.64	37	36.51	-118	54.85	8.18	D	5.9
1980	5	25	16	52	29.86	37	33.20	-118	48.63	6.13	D	4.3
1980	5	25	16	52	50.74	37	37.00	-118	50.00	3.00	D	4.1
1980	5	25	16	59	49.24	37	28.71	-118	58.92	6.00	D	4.0
1980	5	25	17	6	27.93	37	17.58	-118	58.39	5.75	D	4.8
1980	5	25	17	8	28.43	37	37.09	-118	50.89	6.28	D	4.6
1980	5	25	17	16	52.40	37	35.03	-118	52.65	5.02	D	4.1
1980	5	25	17	48	30.01	37	34.61	-118	54.46	0.03	D	4.7
1980	5	25	18	13	58.13	37	33.74	-118	54.12	5.59	D	4.1
1980	5	25	18	34	15.06	37	33.81	-118	54.12	0.11	C	4.2
1980	5	25	19	4	34.38	37	32.93	-118	54.32	2.43	C	4.4
1980	5	25	19	41	23.52	37	34.50	-118	54.17	3.38	D	4.5
1980	5	25	19	44	51.64	37	32.53	-118	49.69	6.94	C	6.6
1980	5	25	19	49	54.26	37	33.00	-118	50.00	6.00	D	4.1
1980	5	25	20	23	26.14	37	37.86	-118	53.88	5.00	C	4.7
1980	5	25	20	35	48.70	37	36.67	-118	52.75	5.33	C	5.6
1980	5	25	20	38	41.53	37	28.32	-118	53.10	13.37	D	4.5
1980	5	25	20	59	23.26	37	34.47	-118	49.92	5.02	C	5.1
1980	5	25	21	47	15.85	37	29.55	-118	51.02	7.66	B	4.0
1980	5	25	22	10	34.62	37	29.67	-118	50.59	5.00	D	4.2
1980	5	25	22	44	5.31	37	37.08	-119	1.06	6.92	D	4.1
1980	5	26	0	57	3.56	37	33.78	-118	57.50	12.64	D	4.5
1980	5	26	1	19	2.64	37	35.25	-118	58.36	5.61	D	4.8
1980	5	26	3	49	8.33	37	35.32	-118	51.28	9.01	D	4.0
1980	5	26	4	36	54.69	37	35.42	-118	49.20	3.05	B	4.0

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1980	5	26	5 56	27.11	37 35.01	-118 51.04	3.48	C 4.6
1980	5	26	6 43	47.41	37 33.11	-118 51.99	13.56	D 4.1
1980	5	26	10 20	31.59	37 36.49	-118 47.21	3.88	B 4.5
1980	5	26	11 4	4.00	37 36.72	-118 47.55	3.69	B 4.2
1980	5	26	12 24	25.65	37 34.15	-118 52.41	4.99	C 5.2
1980	5	26	13 4	20.38	37 31.11	-118 53.50	7.19	C 4.1
1980	5	26	14 37	31.41	37 32.16	-118 52.65	5.60	C 4.2
1980	5	26	16 20	22.25	37 32.78	-118 56.52	5.00	C 4.6
1980	5	26	18 57	56.17	37 31.90	-118 52.40	2.00	B 5.0
1980	5	26	19 24	9.69	37 30.79	-118 53.23	0.54	B 4.2
1980	5	27	9 9	31.15	37 37.15	-118 51.33	5.80	B 4.1
1980	5	27	14 50	57.27	37 28.36	-118 48.71	5.91	B 6.4
1980	5	27	15 13	46.79	37 29.79	-118 49.23	4.80	A 4.1
1980	5	27	15 41	46.89	37 28.71	-118 49.06	1.82	C 4.3
1980	5	27	17 9	59.06	37 29.27	-118 48.55	5.05	B 4.3
1980	5	27	19 1	8.25	37 35.56	-118 46.78	2.98	A 5.0
1980	5	27	21 34	54.41	37 30.19	-118 48.47	6.92	B 4.5
1980	5	27	23 41	3.79	37 33.21	-118 51.23	4.87	A 4.0
1980	5	28	5 16	23.27	37 34.03	-118 53.21	2.53	A 4.8
1980	5	28	5 48	30.20	37 34.15	-118 54.72	0.01	C 4.7
1980	5	28	11 54	37.78	37 27.64	-118 49.04	2.49	A 4.2
1980	5	29	3 38	48.45	34 58.52	-120 42.86	6.00	C 4.6
1980	5	29	17 21	1.32	37 30.78	-118 50.47	2.72	A 4.1
1980	5	31	0 58	17.73	37 29.67	-118 51.25	1.83	B 4.6
1980	5	31	8 5	19.94	37 33.54	-118 49.77	6.82	B 4.1
1980	5	31	10 11	31.11	37 35.36	-118 49.13	2.71	B 4.0
1980	5	31	15 16	12.50	37 34.74	-118 48.70	10.18	D 4.9
1980	6	1	6 47	36.98	37 27.53	-118 52.10	8.83	C 4.2
1980	6	2	10 22	21.44	37 34.51	-118 56.74	7.15	D 4.2
1980	6	5	19 41	2.66	37 32.40	-118 55.10	6.87	D 4.0
1980	6	7	23 17	53.69	37 36.33	-118 54.48	10.85	D 4.2
1980	6	8	23 22	21.51	37 28.32	-118 50.92	14.37	D 4.2
1980	6	9	3 28	19.57	32 12.29	-115 5.04	4.90	D 6.1
1980	6	9	3 48	39.35	32 24.11	-115 13.34	5.00	D 4.0
1980	6	9	4 53	34.06	32 23.99	-115 12.84	6.07	C 4.0
1980	6	9	10 0	43.42	32 19.12	-115 8.16	5.00	D 4.5
1980	6	9	23 33	41.10	32 21.90	-115 12.24	5.00	C 4.5
1980	6	11	4 40	59.19	37 32.89	-118 54.40	8.64	C 4.9
1980	6	13	14 56	59.38	37 37.56	-118 54.46	5.10	C 4.0
1980	6	13	23 23	20.62	37 29.00	-118 49.73	14.75	C 4.1
1980	6	28	0 58	43.11	37 33.28	-118 50.59	12.17	D 4.2
1980	6	29	7 46	13.89	38 2.41	-118 40.96	5.40	D 4.7
1980	7	3	2 19	37.01	37 29.00	-118 58.47	5.80	D 4.2
1980	7	3	2 39	59.42	37 38.85	-118 59.74	10.52	D 4.4
1980	7	5	11 58	59.49	37 36.95	-118 49.73	5.19	C 4.4
1980	7	25	6 44	19.55	37 35.41	-118 53.40	7.58	C 4.0
1980	7	29	6 48	11.67	31 44.74	-116 2.33	5.05	D 4.0
1980	8	1	16 38	56.39	37 33.32	-118 53.75	5.11	C 5.4

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1980	8	1	16	48	56.99	37	28.99	-118 45.57	4.59	D	4.4
1980	8	1	17	9	17.39	37	33.31	-118 52.09	1.48	C	4.1
1980	8	6	9	46	23.34	31	57.84	-116 12.79	5.00	D	4.2
1980	8	19	6	45	27.02	37	37.79	-118 52.42	5.03	C	4.1
1980	9	4	13	39	9.42	38	8.69	-118 29.95	5.06	D	4.5
1980	9	4	21	3	33.63	38	7.50	-118 33.14	5.40	D	4.6
1980	9	6	7	27	52.73	38	3.96	-118 31.17	6.08	D	4.4
1980	9	7	1	30	41.94	38	9.76	-118 31.10	4.96	D	5.0
1980	9	7	4	36	38.37	38	5.07	-118 33.88	5.00	C	5.6
1980	9	7	6	48	10.61	38	6.17	-118 33.33	5.00	D	4.3
1980	9	7	6	48	32.48	38	0.82	-118 33.68	5.06	D	5.1
1980	9	8	4	26	19.37	38	5.82	-118 35.27	4.98	D	4.3
1980	9	16	4	24	41.30	38	3.87	-118 31.87	4.98	D	4.3
1980	9	24	8	8	39.05	36	13.99	-120 9.91	6.00	C	4.3
1980	9	26	13	18	41.14	35	16.28	-119 23.73	5.00	C	4.4
1980	10	4	16	38	22.56	37	31.62	-118 49.58	4.99	C	4.0
1980	10	16	1	15	12.84	31	43.79	-115 59.20	5.00	D	4.1
1980	10	18	16	49	5.78	37	28.62	-118 51.29	5.00	D	4.0
1980	10	25	5	26	44.58	37	37.65	-118 51.42	4.98	D	4.4
1980	10	30	3	45	24.80	37	31.37	-118 46.58	5.00	C	4.0
1980	10	31	12	55	36.60	32	39.61	-115 34.76	3.45	C	4.6
1980	11	11	10	19	2.62	38	4.61	-118 34.09	5.03	D	4.5
1980	12	24	15	48	33.73	37	35.66	-118 53.53	5.00	C	4.5
1980	12	28	22	58	9.61	38	9.60	-118 22.63	4.86	D	4.6
1981	1	28	20	8	51.06	38	10.60	-118 21.43	5.00	D	4.4
1981	3	5	5	28	54.83	37	32.69	-118 53.27	5.00	C	4.0
1981	4	19	9	2	10.22	35	49.71	-117 46.96	1.00	C	4.0
1981	4	19	9	2	50.40	35	51.08	-117 50.51	3.05	D	4.6
1981	4	19	9	19	56.71	35	49.47	-117 47.20	1.00	C	4.1
1981	4	25	2	12	54.77	33	6.58	-115 37.68	2.57	A	4.1
1981	4	26	12	9	28.37	33	5.89	-115 37.10	2.31	A	5.6
1981	4	26	12	40	42.59	33	6.79	-115 41.42	13.14	L	4.2
1981	4	28	22	54	49.40	38	6.50	-118 34.37	5.00	D	4.5
1981	5	7	1	2	38.13	37	56.37	-118 31.79	4.87	D	4.6
1981	6	22	4	57	47.29	35	6.30	-118 31.24	5.86	A	4.0
1981	7	11	21	50	29.38	32	37.19	-118 0.56	5.00	C	4.1
1981	7	24	11	38	50.31	32	3.73	-116 19.77	5.52	D	4.7
1981	8	24	4	52	18.24	37	38.05	-118 53.33	4.84	C	4.0
1981	9	4	15	50	50.38	33	39.67	-119 5.46	5.00	C	5.3
1981	9	12	18	12	58.39	38	7.49	-118 34.54	4.99	D	4.2
1981	9	30	11	53	26.89	37	35.62	-118 52.95	5.00	C	6.0
1981	9	30	13	5	48.42	37	38.89	-118 51.92	5.00	C	5.3
1981	9	30	14	33	45.98	37	37.79	-118 52.72	5.00	C	4.0
1981	9	30	14	50	6.88	37	34.38	-118 54.18	4.57	C	4.4
1981	10	1	7	2	4.99	37	31.59	-118 54.38	5.00	D	4.1
1981	10	1	13	22	37.87	37	34.47	-118 46.10	4.60	D	4.1
1981	10	2	7	37	22.50	37	39.04	-118 51.57	5.00	C	4.1
1981	10	3	1	20	37.37	37	36.48	-118 49.61	5.01	C	4.1

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1981	10	9	11 1 0.12	37	39.10	-118 52.56	5.00	C	4.2
1981	10	23	17 28 16.76	33	37.58	-119 1.13	13.98	A	4.6
1981	10	23	19 16 52.29	33	37.13	-119 0.91	11.57	A	4.6
1981	11	10	22 34 35.43	35	1.44	-119 8.31	2.15	B	4.8
1981	11	10	22 37 4.62	35	0.77	-119 9.75	2.27	B	4.1
1981	11	13	3 0 0.21	37	38.46	-118 56.50	5.00	C	4.1
1981	11	13	3 7 47.81	37	38.43	-118 56.12	5.00	C	4.3
1981	11	18	16 15 49.07	37	29.66	-119 23.83	5.00	C	4.0
1982	1	6	4 24 8.28	31	36.92	-115 51.66	5.00	D	4.1
1982	1	24	15 44 8.28	37	23.22	-117 53.40	6.75	A	4.0
1982	3	1	3 10 22.34	35	46.68	-117 44.81	3.80	B	4.1
1982	3	7	20 50 12.93	35	45.76	-117 43.87	5.22	A	4.4
1982	3	7	20 51 0.33	35	44.42	-117 45.76	5.00	C	4.7
1982	3	22	8 53 28.64	33	3.47	-116 12.67	4.64	B	4.5
1982	4	13	11 2 12.58	34	3.63	-118 57.88	9.25	B	4.1
1982	4	15	21 52 8.88	38	4.93	-118 34.03	4.95	D	5.1
1982	5	8	3 57 11.75	37	38.07	-118 56.58	7.86	A	4.0
1982	5	25	12 45 32.49	31	41.06	-115 51.61	9.03	D	4.3
1982	5	25	13 44 30.29	33	33.01	-118 11.49	6.00	C	4.3
1982	5	28	13 3 0.65	31	42.65	-115 52.96	7.47	D	4.3
1982	6	4	16 41 47.56	37	27.52	-118 22.12	9.22	C	4.1
1982	6	15	23 49 21.32	33	33.49	-116 40.03	12.17	A	4.9
1982	6	25	3 58 23.32	35	57.32	-120 32.82	8.42	B	4.1
1982	8	29	21 8 3.21	38	8.68	-118 20.91	5.64	B	4.2
1982	9	5	5 21 26.33	32	56.43	-115 49.89	3.99	A	4.2
1982	9	23	3 27 59.38	37	27.66	-118 48.93	1.55	C	4.1
1982	9	24	7 40 24.77	37	51.46	-118 9.02	5.09	D	5.3
1982	9	28	0 41 49.10	37	27.83	-118 48.66	1.58	C	4.0
1982	9	29	18 21 1.07	35	44.49	-117 45.11	9.17	A	4.1
1982	9	30	22 38 10.55	35	44.53	-117 45.03	9.20	A	4.0
1982	10	1	1 33 35.49	37	54.95	-118 8.44	11.15	C	4.1
1982	10	1	14 29 2.53	35	43.84	-117 45.08	9.15	A	4.9
1982	10	1	22 10 21.86	35	43.21	-117 45.53	6.80	A	4.2
1982	10	1	22 10 33.03	35	43.00	-117 46.00	7.00	D	4.2
1982	10	1	22 11 28.80	35	43.45	-117 45.53	6.86	B	4.2
1982	10	4	2 23 59.97	37	52.38	-118 9.57	5.05	B	4.0
1982	10	25	22 26 4.05	36	19.16	-120 30.97	11.13	B	5.8
1982	10	25	23 12 17.69	36	19.37	-120 31.68	4.06	C	4.3
1982	10	25	23 15 54.38	36	19.61	-120 31.50	10.49	B	4.0
1982	11	10	11 21 25.71	34	3.32	-116 39.98	8.40	A	4.1
1982	12	14	17 15 7.34	31	34.67	-115 37.75	5.43	D	4.1
1982	12	15	5 53 6.71	31	32.94	-115 34.53	9.54	D	4.0
1982	12	28	19 6 24.65	38	2.16	-118 22.81	4.17	C	4.9
1982	12	31	9 7 23.32	35	48.68	-117 44.31	6.32	A	4.1
1983	1	4	3 3 5.04	35	48.37	-117 44.29	4.73	A	4.0
1983	1	7	1 31 26.58	37	37.70	-118 54.08	6.00	D	4.2
1983	1	7	1 36 48.72	37	34.57	-118 51.27	6.00	D	4.3
1983	1	7	1 38 11.60	37	34.73	-118 54.26	6.00	D	5.6

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1983	1	7	1	45	40.95	37	32.12	-118	54.01	6.00	D	4.1
1983	1	7	3	24	19.08	37	39.82	-119	0.49	5.00	D	5.6
1983	1	7	3	30	23.77	37	37.52	-118	57.17	4.99	D	4.5
1983	1	8	7	19	30.41	34	7.96	-117	27.22	7.63	A	4.1
1983	1	12	18	30	7.40	32	3.94	-115	46.99	6.00	D	4.3
1983	1	25	10	10	41.36	37	30.86	-118	52.78	6.00	C	4.5
1983	1	29	15	6	1.54	37	38.92	-118	56.92	6.00	C	4.1
1983	2	4	7	15	10.67	37	38.46	-118	57.66	6.00	C	4.3
1983	2	22	2	18	30.81	33	5.71	-117	54.16	6.00	C	4.3
1983	2	24	19	52	1.14	37	36.34	-118	55.59	6.00	C	4.1
1983	4	23	22	16	25.61	31	17.52	-115	8.36	6.00	D	4.0
1983	5	2	23	42	37.76	36	13.15	-120	18.99	10.24	B	6.1
1983	5	2	23	45	43.85	36	15.00	-120	15.00	6.00	D	4.5
1983	5	2	23	46	2.75	36	16.00	-120	15.00	6.00	D	5.7
1983	5	2	23	54	48.28	36	15.00	-120	15.00	6.00	D	4.1
1983	5	2	23	55	29.62	36	6.34	-120	16.30	5.00	B	4.1
1983	5	2	23	57	27.35	36	15.00	-120	15.00	6.00	D	4.1
1983	5	3	0	0	22.23	36	12.27	-120	7.73	6.00	D	4.0
1983	5	3	0	9	22.81	36	7.98	-120	16.99	9.37	A	4.2
1983	5	3	0	17	59.06	36	12.60	-120	19.54	7.96	B	4.4
1983	5	3	0	39	45.76	36	13.09	-120	20.78	12.57	B	4.3
1983	5	3	0	57	43.79	36	16.05	-120	18.89	8.62	A	4.8
1983	5	3	1	41	45.76	36	7.65	-120	13.69	8.73	A	4.2
1983	5	3	4	32	30.46	36	19.01	-120	17.16	5.72	D	4.6
1983	5	3	6	4	45.92	36	14.87	-120	24.51	10.85	A	4.4
1983	5	3	6	4	53.26	36	15.00	-120	15.00	6.00	D	4.2
1983	5	3	6	35	2.98	36	11.91	-120	18.21	12.09	A	4.0
1983	5	3	8	55	1.46	36	8.45	-120	16.34	8.07	A	4.5
1983	5	3	14	26	55.41	36	15.28	-120	20.60	8.02	A	4.1
1983	5	3	15	41	41.24	36	13.52	-120	18.04	8.22	A	4.7
1983	5	4	7	28	39.62	36	13.59	-120	16.34	6.00	C	4.5
1983	5	4	16	11	19.47	36	17.38	-120	17.89	17.89	D	4.2
1983	5	5	10	20	44.38	36	15.59	-120	17.42	14.68	B	4.4
1983	5	9	2	49	11.81	36	14.44	-120	14.09	12.71	C	5.2
1983	5	9	3	26	37.61	36	13.03	-120	14.79	0.00	D	4.9
1983	5	19	11	5	29.85	36	12.91	-120	16.31	13.41	A	4.0
1983	5	21	20	41	41.88	31	44.60	-116	1.28	6.00	D	4.0
1983	5	24	9	2	19.02	36	13.11	-120	18.43	3.00	A	4.6
1983	6	7	5	18	38.99	36	8.15	-120	14.18	2.34	C	4.2
1983	6	9	6	59	40.75	31	33.31	-115	28.46	6.00	D	4.1
1983	6	11	3	9	53.66	36	14.80	-120	24.67	3.76	A	5.1
1983	6	12	1	31	28.78	36	5.62	-120	18.06	3.59	B	4.0
1983	6	29	8	8	35.67	32	35.27	-117	25.86	6.00	D	4.6
1983	7	3	18	40	8.11	37	32.91	-118	51.53	6.00	C	5.3
1983	7	5	14	27	27.07	38	4.11	-119	2.61	6.00	D	4.3
1983	7	9	7	40	51.11	36	15.77	-120	18.72	0.00	D	5.0
1983	7	12	18	39	6.03	37	32.16	-118	51.43	6.00	C	4.1
1983	7	13	21	16	48.51	33	12.50	-115	31.79	11.82	A	4.1

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1983	7	14	15	25	38.35	36	9.28 -120 23.73	0.01	B	4.0
1983	7	15	22	3	10.52	38	27.85 -118 13.89	6.00	D	4.3
1983	7	21	1	23	39.06	36	1.71 -121 11.91	6.00	D	4.0
1983	7	22	2	39	54.77	36	12.09 -120 21.68	8.36	D	5.6
1983	7	22	2	49	10.67	36	14.06 -120 18.15	2.47	D	4.3
1983	7	22	3	29	2.11	36	11.95 -120 22.17	9.01	C	4.1
1983	7	22	3	43	1.44	36	10.69 -120 20.47	8.80	C	5.2
1983	7	25	22	31	40.95	36	11.18 -120 22.94	1.63	A	5.4
1983	7	30	1	26	16.59	37	36.19 -118 48.46	6.00	C	4.3
1983	7	30	4	16	39.96	37	38.47 -118 47.87	8.00	D	4.2
1983	8	8	13	13	9.43	36	38.23 -121 2.24	6.00	D	4.3
1983	8	8	16	51	58.02	37	35.83 -118 52.87	6.00	C	4.0
1983	8	9	1	19	3.21	37	53.40 -119 29.93	6.00	D	4.0
1983	8	12	22	2	35.90	36	9.67 -120 8.16	3.00	C	4.3
1983	8	14	12	43	36.30	36	18.65 -120 23.07	9.78	B	4.2
1983	8	18	21	17	50.03	31	33.26 -115 54.16	6.00	D	4.2
1983	8	26	3	21	17.88	36	18.74 -120 27.92	12.55	B	4.0
1983	8	29	10	10	31.29	35	46.16 -121 10.46	6.00	D	4.8
1983	9	1	17	1	5.94	38	2.85 -118 44.90	6.00	D	4.0
1983	9	9	9	16	13.92	36	14.37 -120 13.33	0.20	B	5.3
1983	9	11	11	48	7.11	36	15.23 -120 20.61	11.33	A	4.8
1983	9	11	19	27	25.04	31	57.56 -116 4.04	6.00	C	4.0
1983	9	30	16	14	0.78	37	33.47 -118 50.18	6.00	C	4.5
1983	10	19	14	0	37.16	35	55.78 -118 20.46	1.49	A	4.0
1983	10	21	22	44	13.31	35	55.54 -118 20.06	0.00	A	4.5
1983	12	7	22	15	58.17	37	58.71 -118 51.53	6.00	C	4.1
1983	12	21	18	4	8.30	36	6.51 -120 9.83	14.90	A	4.3
1983	12	31	22	39	40.60	37	33.80 -118 52.57	6.00	C	4.1

LIST OF EARTHQUAKES

ML 5.0 and Greater

DATE	TIME			LAT.	LONG.		DEPTH	Q	MAG.
1975	6	1	1 38	48.77	34	31.02	-116 29.38	0.82	A 5.0
1975	7	17	18 23	47.06	31	53.07	-115 53.67	8.69	D 5.1
1975	9	13	21 20	59.10	35	58.70	-120 34.10	11.40	B 5.0
1976	11	4	10 41	37.54	33	7.89	-115 37.40	0.55	A 5.1
1976	12	7	12 59	51.32	31	40.79	-114 42.47	4.85	D 5.5
1978	5	5	21 3	16.15	32	15.60	-115 17.71	5.00	C 5.2
1978	8	13	22 54	53.55	34	20.89	-119 42.34	5.59	C 5.1
1978	10	4	16 42	48.57	37	30.59	-118 41.57	5.00	C 5.7
1978	10	4	17 39	3.39	37	32.10	-118 41.00	5.64	C 5.3
1979	3	15	20 17	49.33	34	18.31	-116 26.32	0.15	A 5.0
1979	3	15	21 7	16.47	34	19.48	-116 26.62	0.60	A 5.3
1979	10	15	23 16	54.12	32	38.05	-115 19.47	9.90	B 6.4
1979	10	15	23 19	28.70	32	44.88	-115 35.19	5.00	D 5.0
1979	10	16	5 49	10.97	32	56.48	-115 32.31	4.66	A 5.1
1979	10	16	6 19	49.22	32	56.20	-115 31.91	2.44	C 5.1
1979	10	16	6 58	43.18	32	59.94	-115 34.13	1.33	A 5.5
1979	10	16	23 16	32.18	33	1.33	-115 30.37	3.32	A 5.0
1980	2	25	10 47	38.47	33	29.76	-116 30.85	14.70	A 5.5
1980	5	25	16 33	44.89	37	36.14	-118 49.77	3.27	B 6.4
1980	5	25	16 49	27.64	37	36.51	-118 54.85	8.18	D 5.9
1980	5	25	19 44	51.64	37	32.53	-118 49.69	6.94	C 6.6
1980	5	25	20 35	48.70	37	36.67	-118 52.75	5.33	C 5.6
1980	5	25	20 59	23.26	37	34.47	-118 49.92	5.02	C 5.1
1980	5	26	12 24	25.65	37	34.15	-118 52.41	4.99	C 5.2
1980	5	26	18 57	56.17	37	31.90	-118 52.40	2.00	B 5.0
1980	5	27	14 50	57.27	37	28.36	-118 48.71	5.91	B 6.4
1980	5	27	19 1	8.25	37	35.56	-118 46.78	2.98	A 5.0
1980	6	9	3 28	19.57	32	12.29	-115 5.04	4.90	D 6.1
1980	8	1	16 38	56.39	37	33.32	-118 53.75	5.11	C 5.4
1980	9	7	1 30	41.94	38	9.76	-118 31.10	4.96	D 5.0
1980	9	7	4 36	38.37	38	5.07	-118 33.88	5.00	C 5.6
1980	9	7	6 48	32.48	38	0.82	-118 33.68	5.06	D 5.1
1981	4	26	12 9	28.37	33	5.89	-115 37.10	2.31	A 5.6
1981	9	4	15 50	50.38	33	39.67	-119 5.46	5.00	C 5.3
1981	9	30	11 53	26.89	37	35.62	-118 52.95	5.00	C 6.0
1981	9	30	13 5	48.42	37	38.89	-118 51.92	5.00	C 5.3
1982	4	15	21 52	8.88	38	4.93	-118 34.03	4.95	L 5.1
1982	9	24	7 40	24.77	37	51.46	-118 9.02	5.09	L 5.3
1982	10	25	22 26	4.05	36	19.16	-120 30.97	11.13	B 5.8
1983	1	7	1 38	11.60	37	34.73	-118 54.26	6.00	D 5.6
1983	1	7	3 24	19.08	37	39.82	-119 0.49	5.00	D 5.6
1983	5	2	23 42	37.76	36	13.15	-120 18.99	10.24	B 6.1
1983	5	2	23 46	2.75	36	16.00	-120 15.00	6.00	D 5.7
1983	5	9	2 49	11.81	36	14.44	-120 14.09	12.71	C 5.2
1983	6	11	3 9	53.66	36	14.80	-120 24.67	3.76	A 5.1
1983	7	3	18 40	8.11	37	32.91	-118 51.53	6.00	C 5.3
1983	7	9	7 40	51.11	36	15.77	-120 18.72	0.00	D 5.0

DATE			TIME		LAT.		LONG.		DEPTH	Q	MAG.
1983	7	22	2	39	54.77	36	12.09	-120	21.68	8.36	D 5.6
1983	7	22	3	43	1.44	36	10.69	-120	20.47	8.80	C 5.2
1983	7	25	22	31	40.95	36	11.18	-120	22.94	1.63	A 5.4
1983	9	9	9	16	13.92	36	14.37	-120	13.33	0.20	B 5.3